Panel Interface Connectors

Panel Interface Connectors (PIC)

A panel interface connector (PIC) is a device that is mounted to the outside (exterior) of a panel that houses a PLC or computer. The PIC allows the user to interface the PLC or computer without opening the panel door, thereby, eliminating the potential safety hazards associated with having an open electrical panel.

The standard PIC contains one or more of the connectors that are commonly used to interface a PLC, computer or other devices that are commonly housed inside the cabinet. The connectors include, but are not limited to, D-subminiature connectors (9, 15, 25, 37 or high density 15 pin), RJ45, RJ11, DIN, BNC, USB and coaxial connectors. Any of these connectors are available alone in a PIC, with a power outlet, or with another connector.

> **Currently, we have over 2000 different units in production.**
>
> **The catalog shows the most common types used today.**
>
> **If you do not see what you require please contact us.**
>
> **Custom versions are welcome.**
>
> **Please send a sketch or drawing to the factory for a quote
> or visit our website www.mencom.com**

Standard configurations of the Panel Interface Connectors in NEMA 4 Enclosure (UL FILE # E183955)

• All connections are straight through, pin 1 to pin 1, etc.

• **All D-Subminiature** connectors are **FEMALE EXTERIOR and MALE INTERIOR**, referenced to the cabinet. Other configurations such as male exterior and interior are available.

• The 9 pin and 25 D-subs pin configurations are available as a break out configuration in some units. These connectors allow for the D-sub to be separated into individual lines. This allows the user to connect to the D-Sub by way of screw terminal connections.

• All "mini-DIN" and circular DINs are configured **FEMALE EXTERIOR and INTERIOR.**

• Many units are also configured for Allen Bradley's ®* Data Highway system. In this case the 9 pin D-sub and/or 8 pin "mini-DIN" are connected to a 3 pin pluggable terminal block commonly used with "BLUE HOSE" applications.

• The internal power connection is made via a covered terminal block with screw connections.

• The standard reset is a 3 amp to limit the power output of the unit. Other amperages are available, please consult the factory.

* Registered trademark of Allen-Bradley Company, LLC

Panel Interface Connectors (PIC)

Port Adapters

Our smallest Panel Interface Connectors are ideal for tight spaces. The anodized aluminum housing has a connector potted inside and can easily be mounted to a cabinet through a 1″ diameter hole. The M25 mounting thread has an O-Ring and Lock Nut (not shown below). A cap is supplied with each unit to make them suitable for washdown. Stainless Steel versions are available, please consult the factory.

	Front	Side	Back

RJ45-M25:

RJ45 Jack to RJ45 Jack
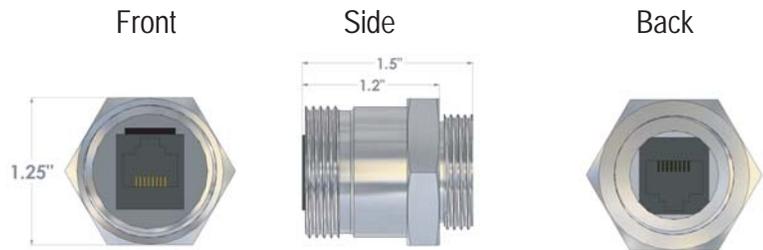
RJ11-M25:

RJ11 Jack to RJ11 Jack

DM6-M25:

6 PIN Female MINI-DIN to
6 PIN Female MINI-DIN

DM8-M25:

8 PIN Female MINI-DIN to
8 PIN Female MINI-DIN

D-USB-AFAF-M25:

USB Female to
USB Female TYPE A

D-USB-AFBF-M25:

USB Female TYPE A to
Female TYPE B
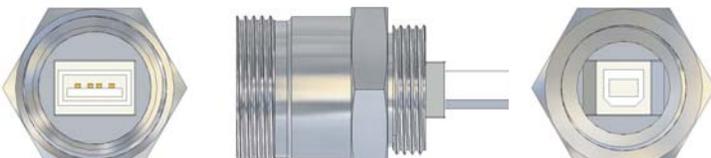
MIN-3-CAP

Supplied with each unit.

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
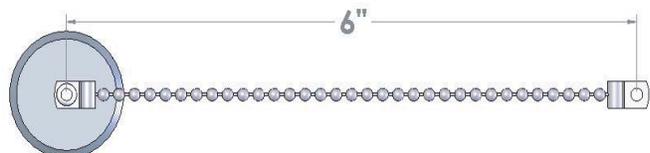
Panel Interface Connectors (PIC)

Duplex Version

| Figure #	Description & Housing Size	Part Number
1	Duplex receptacle with a 3 AMP reset; size 32 housing.	DP-R-32
2 a	Duplex receptacle with a 9 pin D-Sub and a 3 AMP reset in a size 32 housing.	DP-DB9-R-32
2 b	Duplex receptacle with a 9 pin D-Sub to discrete wire pluggable screw terminal block and a 3 AMP reset in a size 32 housing.	DP-DB9-PC9-R-32
3	Duplex receptacle with a hi-density 15 pin D-Sub and a 3 AMP reset in a size 32 housing.	DP-DDB15-R-32
4	Duplex receptacle with a 15 pin D-Sub and a 3 AMP reset in a size 32 housing.	DP-DB15-R-32
5 a	Duplex receptacle with a 25 pin D-Sub and a 3 AMP reset in a size 32 housing.	DP-DB25-R-32
5 b	Duplex receptacle with a 25 pin D-Sub for discrete wired serial connection, and a 3 AMP reset in a size 32 housing.	DP-DB25-PC8-R-32
6	Duplex receptacle with an RJ45 and a 3 AMP reset in a size 32 housing.	DP-RJ45-R-32
7	Duplex receptacle with an RJ11 and a 3 AMP reset in a size 32 housing.	DP-RJ11-R-32
8	Duplex receptacle with a 3 AMP reset and a 6 pin "mini-DIN" female connector, in a size 32 housing.	DP-6M-R-32
9	Duplex receptacle with a 3 AMP reset and an 8 pin "mini-DIN" female connector, in a size 32 housing.	DP-8M-R-32
10	Duplex receptacle with USB Form A female with cable to a USB Form A male. 3′, 6′ or 10′ cable length in a size 32 housing.	DP-USB-3-R-32, DP-USB-6-R-32, or DP-USB-10-R-32
11	Duplex receptacle with a BNC connector and a 3 AMP reset in a size 32 housing.	DP-BNC-R-32
12	Duplex receptacle with a COAX connector and a 3 AMP reset in a size 32 housing.	DP-CX-R-32
13	Duplex receptacle with a 9 pin and a 25 pin D-Sub and a 3 AMP reset in a 32 housing.	DP-DB9-DB25-R-32
14.	Duplex receptacle with a 9 pin D-Sub, a BNC connector and a 3 AMP reset in a 32 housing.	DP-DB9-BNC-R-32
15	Duplex receptacle with a 9 pin D-Sub, a female 8 pin "mini-DIN" and an RJ45 connector in a 32 housing.	DP-DB9-RJ45-8M-32
16	Duplex receptacle with a hi-density 15 pin D-Sub and two 6 pin "mini-DIN" female connectors, in a size 32 housing.	DP-DDB15-6M2-32
17	Duplex receptacle with a 9 pin D-Sub and two 6 pin "mini-DIN" female connectors, in a size 32 housing.	DP-DB9-6M2-32
18	Duplex receptacle with a hi-density 15 pin D-Sub, BNC connector and a 3 AMP reset, in a size 32 housing.	DP-DDB15-BNC-R-32
19	Duplex receptacle with a 25 pin D-Sub for discrete wire serial connection, and a 9 pin D-sub in a size 32 housing.	DP-DB9-DB25-PC8-32
20	Duplex receptacle with a 25 pin D-Sub for discrete wire serial connection, 9 pin D-sub and a 3 AMP reset, in a size 32 housing.	DP-DB9-DB25-PC8-R-32

# Panel Interface Connectors (PIC)
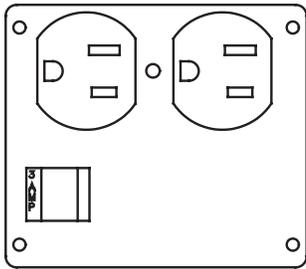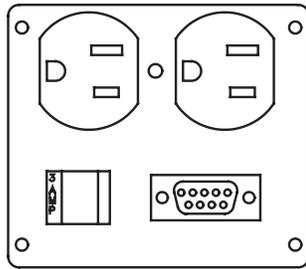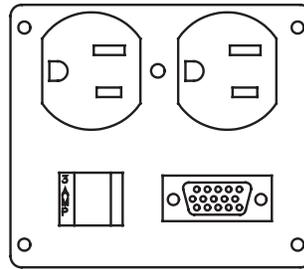
FIG. 1

FIG. 2

FIG. 3
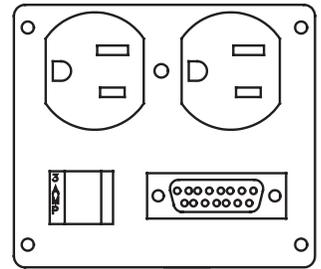
FIG. 4
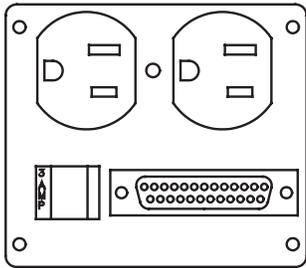
FIG. 5
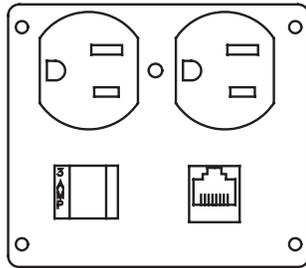
FIG. 6
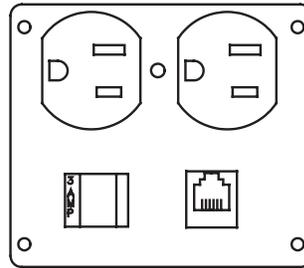
FIG. 7
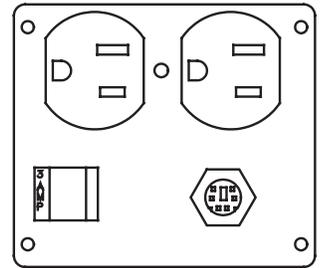
FIG. 8
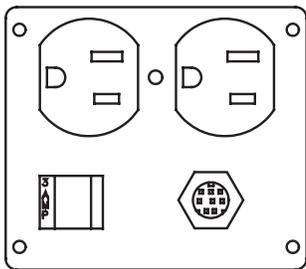
FIG. 9
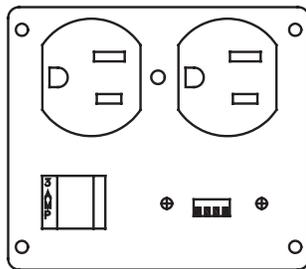
FIG. 10
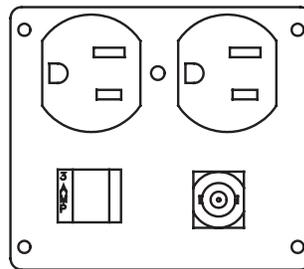
FIG. 11
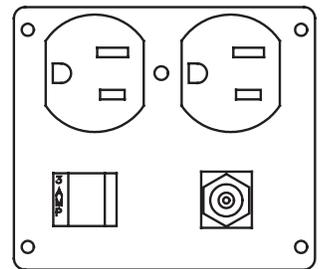
FIG. 12
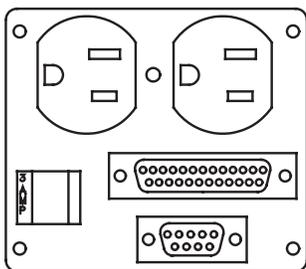
FIG. 13
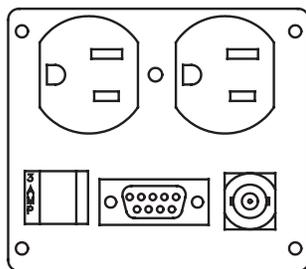
FIG. 14
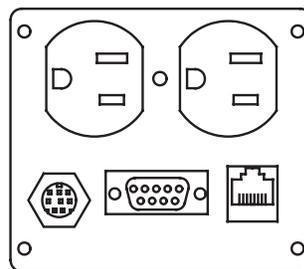
FIG. 15
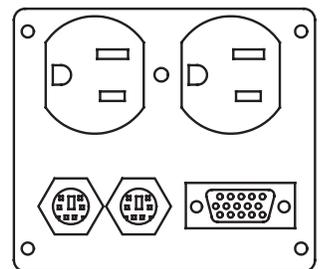
FIG. 16
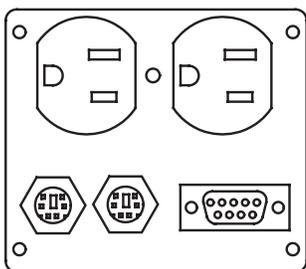
FIG. 17
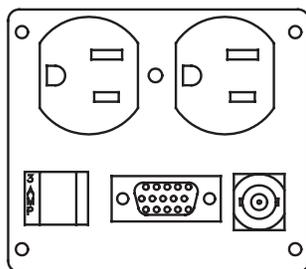
FIG. 18
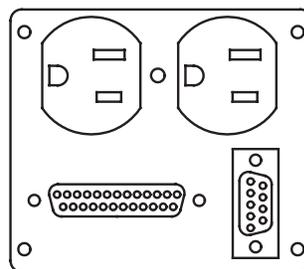
FIG. 19

FIG. 20

Panel Interface Connectors

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
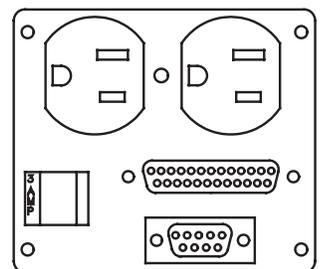
Panel Interface Connectors (PIC)

Duplex Version continued

Figure #	Description & Housing Size	Part Number
21	Duplex receptacle with a 9 pin and a 25 pin D-Sub in a 32 housing.	DP-DB9-DB25-32
22	Duplex receptacle with two 9 pin D-Sub connectors in a size 32 housing.	DP-2DB9-32
23	Duplex receptacle with a 9 pin D-Sub, an RJ45 and a 3 AMP reset in a size 32 housing.	DP-DB9-RJ45-R-32
24	Duplex receptacle with a 9 pin and a 15 pin D-Sub and a 3 AMP reset in a 32 housing.	DP-DB9-DB15-R-32
25	Duplex receptacle with two 9 pin D-Subs and a 3 AMP reset in a size 32 housing.	DP-2DB9-R-32
26	Duplex receptacle with three 9 pin D-Sub connectors in a size 32 housing.	DP-3DB9-32
27	Duplex receptacle with two 25 pin D-Subs and a 9 pin D-Sub in a size 32 housing.	DP-DB9-2DB25-32
28	Duplex receptacle with a 9 pin and a hi-density 15 pin D-Sub in a size 32 housing.	DP-DB9-DDB15-32
29	Duplex receptacle with two RJ45 connectors and a 3 AMP reset in a size 32 housing.	DP-2RJ45-R-32
30	Duplex receptacle with two hi-density 15 pin D-Subs in a size 32 housing.	DP-2DDB15-32
31	Duplex receptacle with two 25 pin D-Subs and a 3 AMP reset in a size 32 housing.	DP-2DB25-R-32
32	Duplex receptacle with a 15 pin and a 25 pin D-Sub and a 3 AMP reset in a 32 housing.	DP-DB15-DB25-R-32
33	Duplex receptacle with a 25 pin and a 37 pin D-Sub in a size 32 housing.	DP-DB25-DB37-32
34	Duplex receptacle with a 25 pin D-Sub and an RJ45 in a size 32 housing.	DP-DB25-RJ45-32
35	Duplex receptacle with a 15 pin D-Sub and 6 pin "mini-DIN" female in a size 32 housing.	DP-DB15-6M-32
36	Duplex receptacle with an RJ45, an 8 pin "mini-DIN" female and a 3 AMP reset in a size 32 housing.	DP-RJ45-8M-R-32
37	Duplex receptacle with a 15 pin D-Sub, an RJ45 connector and a 3 AMP reset in a size 32 housing.	DP-DB15-RJ45-R-32
38	"Twist-Lock" Duplex receptacle with an RJ45 connector and a 3 AMP reset in a size 32 housing.	DPT-RJ45-R-32
39	"Twist-Lock" Duplex receptacle wiht a 9 pin D-Sub, an RJ45 and 3AMP reset in a size 32 housing.	DPT-DB9-RJ45-R-32
40	Isolated Ground duplex with a 9 pin D-Sub, an RJ45 and 3 AMP reset in a size 32 housing.	DPIG-DB9-RJ45-R-32

Mencom Corporation   TEL: 770-534-4585   www.mencom.com

# Panel Interface Connectors (PIC)

Internal View of Components. All units come in NEMA 4 Housings.
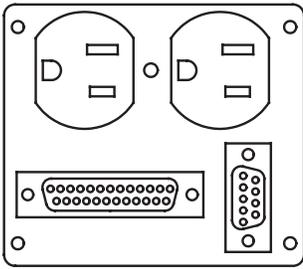
FIG. 21
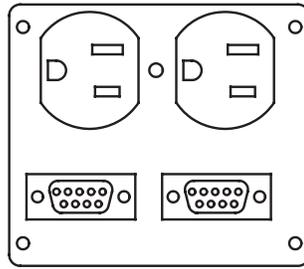
FIG. 22
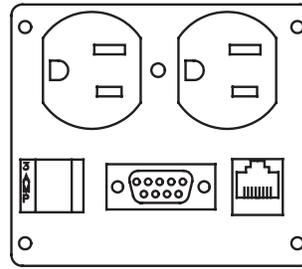
FIG. 23
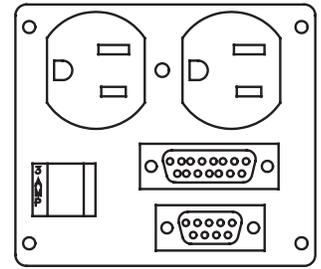

FIG. 24
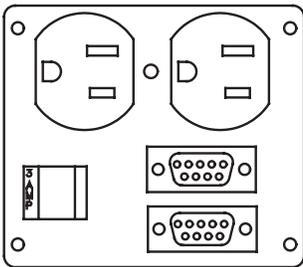
FIG. 25
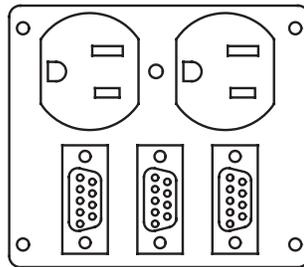
FIG. 26
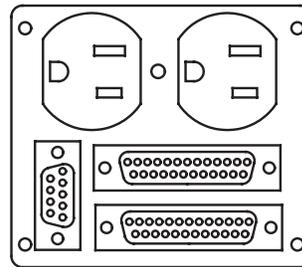
FIG. 27
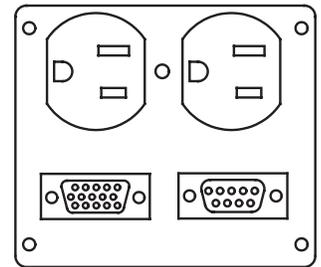
FIG. 28
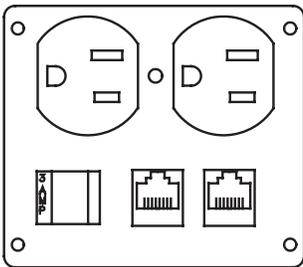
FIG. 29
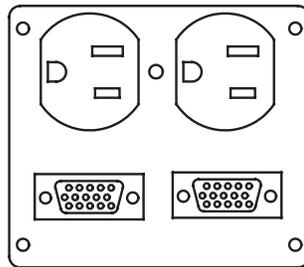
FIG. 30
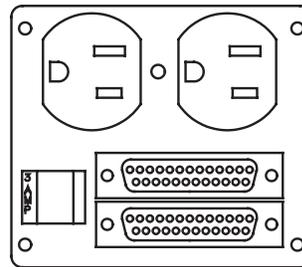
FIG. 31
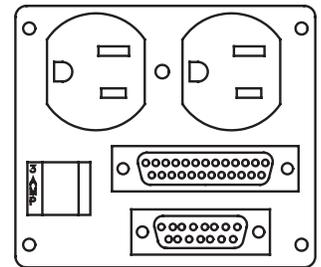
FIG. 32
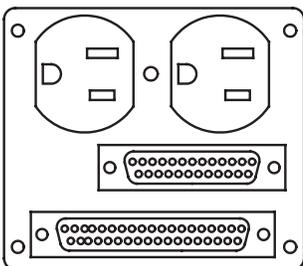
FIG. 33
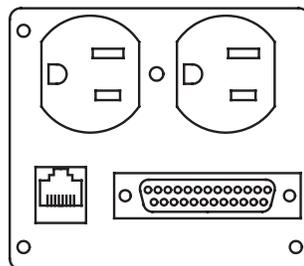
FIG. 34
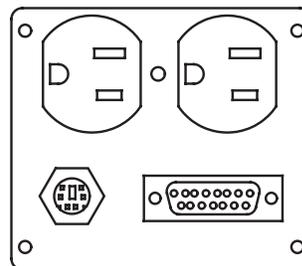

FIG. 35
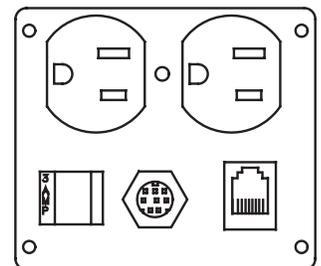
FIG. 36
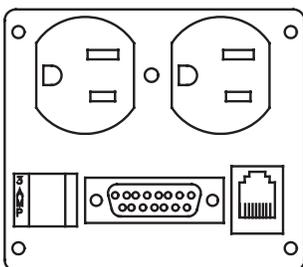
FIG. 37
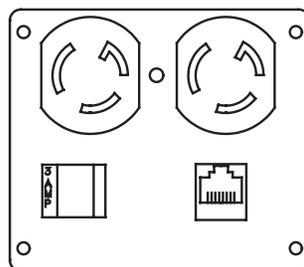
FIG. 38
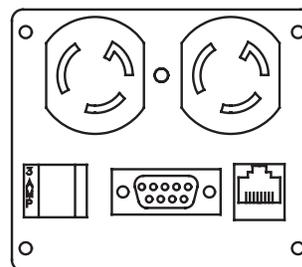
FIG. 39
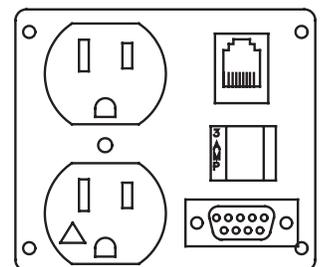
FIG. 40

Panel Interface Connectors (PIC)

Internal View of Components. All units come in NEMA 4 Housings.

Figure #	Description & Housing Size	Part Number
41	Duplex receptacle with two 6 pin "mini-DIN" female and a 3 AMP reset in a size 32 housing.	DPV-6M2-R-32
42	Duplex receptacle with two 8 pin "mini-DIN" female and a 3 AMP reset in a size 32 housing.	DPV-8M2-R-32
43	Duplex receptacle with a 9 and 25 pin D-Sub, an RJ45 connector and a 3 AMP reset in a size 32 housing.	DPV-DB9-DB25-RJ45-R-32
44	Duplex receptacle with a 9 pin D-sub, female 8 pin "mini-DIN" and a 3 AMP reset in a 32 housing.	DPV-DB9-8M-R-32
45	Duplex receptacle with two 9 pin D-Subs and a female 8 pin "mini-DIN" in a size 32 housing.	DPV-2DB9-8M-32
46	We manufacture over 2000 different panel interface connectors, but, you may not see the exact one that fits your needs. Please call us and we will be glad to work with you to design one that is exactly what you require.	T.B.D.

Single Outlet Version

| Figure #	Description & Housing Size	Part Number
47	Single outlet in a size 06 housing. Power connection made via 0.250" quick tab connection.	DP1-06LS
48	Single outlet with a 9 pin D-Sub in a size 16 housing. Power connection made via 0.250" quick tab connection.	DP1-DB9-16LS
49	Single outlet with an RJ45 in a size 16 housing. Power connection made via 0.250" quick tab connection.	DP1-RJ45-16LS
50	Single outlet with a 25 pin D-sub in a size 24 housing. Power connection made via 0.250" quick tab connection.	DP1-DB25-24LS
51	Single outlet with two 9 pin D-Subs, an RJ45 connection and a 3 AMP reset in a size 32 housing. Power connection made via three position covered terminal block.	DP1-2DB9-RJ45-R-32
52	Single outlet with a 9 pin D-Subs, a high density 15 pin D-sub, an RJ11 connection and a 3 AMP reset in a size 32 housing. Power connection made via three position covered terminal block.	DP1-DB9-DDB15-RJ11-R-32
52b	Single outlet with a 9 and hi-density 15 pin D-subs, an RJ45 connection and a 3 amp reset in a size 32 housing. Power connection made via three position covered terminal block.	DP1-DB9-DDB15-RJ45-R-32
53	Single outlet with an RJ45 connector and a 3 AMP reset in a size 24 housing. Power connection made via 0.250" quick tab connection.	DP1-RJ45-R-24LS
54	Single outlet with a 9 pin D-Sub, a hi-density DB15, two 6 pin "mini-DINs", one 25 pin D-sub and an RJ45 connection. Size 48 Housing. Power connection made via 0.250" quick tab connection.	DP1-EV-48LS

Panel Interface Connectors (PIC)
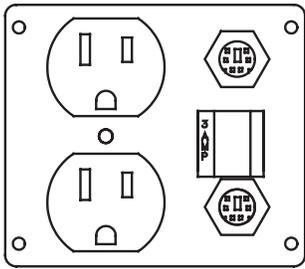
FIG. 41

FIG. 42

FIG. 43

FIG. 44

FIG. 45

UNDER
CONSTRUCTION
WAITING FOR
YOUR CUSTOM
DESIGN
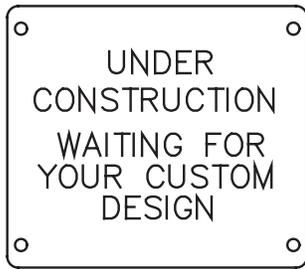
FIG. 46
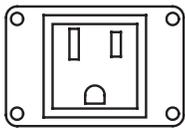
FIG. 47
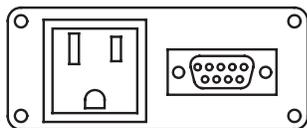
FIG. 48
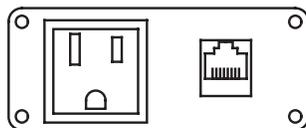
FIG. 49
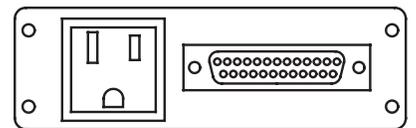
FIG. 50
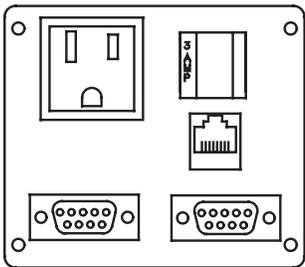
FIG. 51
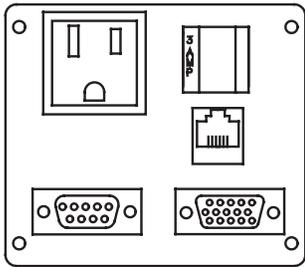
FIG. 52
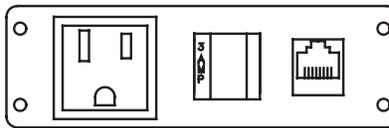
FIG. 53

FIG. 54

Panel Interface Connectors

267
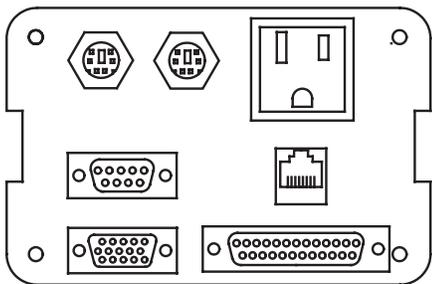
Panel Interface Connectors (PIC)

Ground Fault Versions

| Figure #	Description & Housing Size	Part Number
55	GFCI receptacle with a 3 AMP reset in a size 32 housing.	GF-R-32
56a	GFCI receptacle with a 9 pin D-Sub and a 3 AMP reset in a size 32 housing.	GF-DB9-R-32
56b	GFCI receptacle with a 9 pin D-Sub discrete wire pluggable screw terminal block and a 3 AMP reset in a size 32 housing.	GF-DB9-PC9-R-32
57	GFCI receptacle with a hi-density 15 pin D-Sub and a 3 AMP reset in a 32 housing.	GF-DDB15-R-32
58	GFCI receptacle with a 15 pin D-Sub and a 3 AMP reset in a size 32 housing.	GF-DB15-R-32
59	GFCI receptacle with a 25 pin D-Sub and a 3 AMP reset in a size 32 housing.	GF-DB25-R-32
60	GFCI receptacle with an RJ45 and a 3 AMP reset in a size 32 housing.	GF-RJ45-R-32
61	GFCI receptacle with an RJ11 and a 3 AMP reset in a size 32 housing.	GF-RJ11-R-32
62	GFCI receptacle with a 6 pin "mini-DIN" female connector and a 3 AMP reset in a size 32 housing.	GF-6M-R-32
63	GFCI receptacle with an 8 pin "mini-DIN" female connector and a 3 AMP reset in a size 32 housing.	GF-8M-R-32
64	GFCI receptacle with a BNC connector and a 3 AMP reset in a size 32 housing.	GF-BNC-R-32
65	GFCI receptacle with a COAX connector and a 3 AMP reset in a size 32 housing.	GF-CX-R-32
66	GFCI receptacle with a 9 pin D-Sub, an RJ45 and a 3 AMP reset in a size 32 housing.	GF-DB9-RJ45-R-32
67	GFCI receptacle with two 9 pin D-Sub connectors in a size 32 housing.	GF-2DB9-32
68	GFCI receptacle with two 9 pin D-Sub connectors and an RJ45 in a size 32 housing.	GF-2DB9-RJ45-32
69	GFCI receptacle with a 9 pin and 15 pin D-Sub connector in a size 32 housing.	GF-DB9-DB15-32
70	GFCI receptacle with a 25 pin D-sub and an 8 pin "mini-DIN" female connector in a size 32 housing.	GF-DB25-8M-32
71	GFCI receptacle with two 9 pin D-Subs and a 25 pin D-sub connector in a size 48 housing.	GF-2DB9-DB25-48

## Internal View of Components. All units come in NEMA 4 Housings.
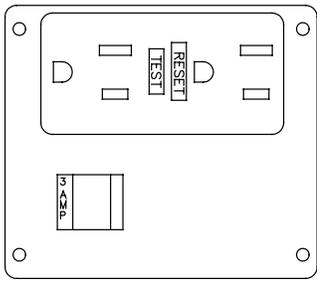
FIG. 55
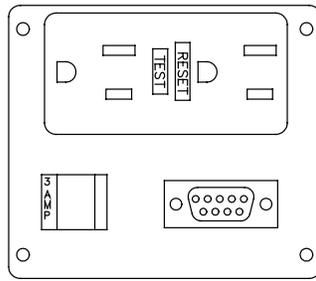
FIG. 56
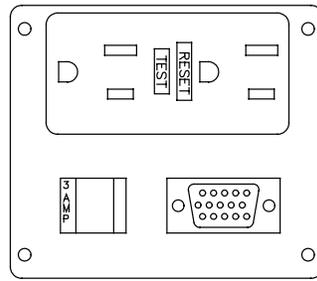
FIG. 57
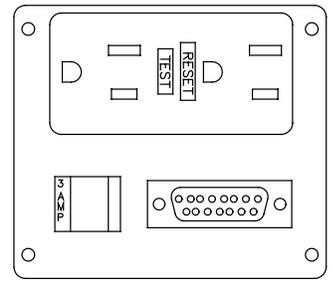
FIG. 58
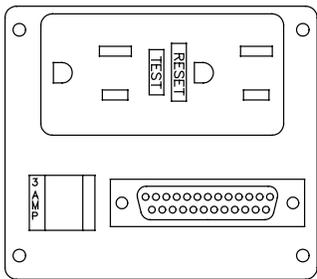
FIG. 59
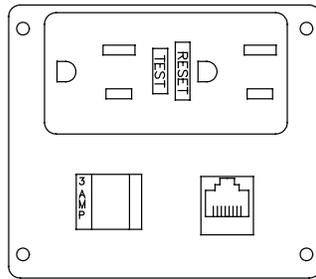
FIG. 60
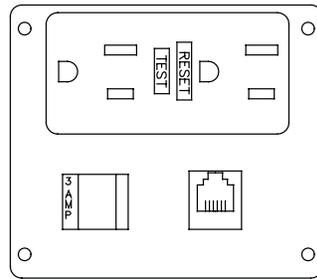
FIG. 61
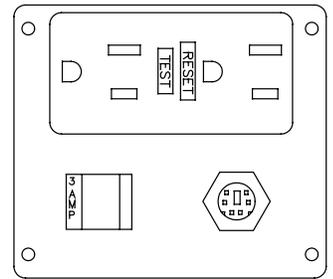
FIG. 62
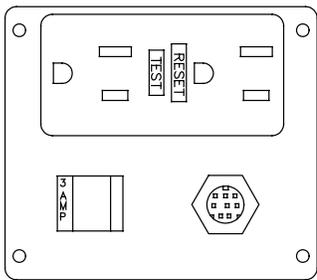
FIG. 63
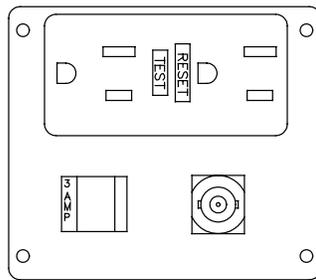
FIG. 64
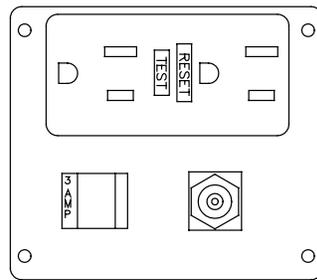
FIG. 65
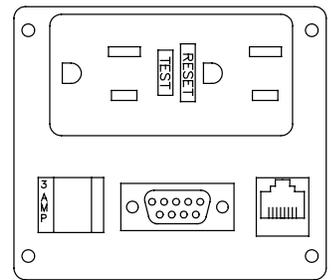
FIG. 66
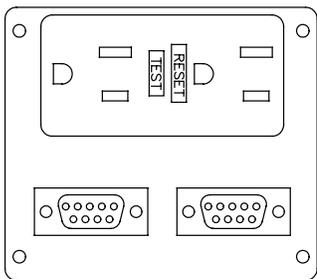
FIG. 67
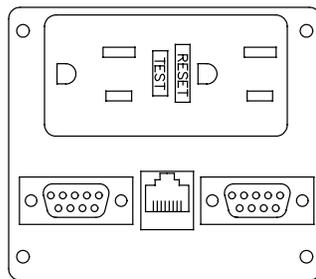
FIG. 68
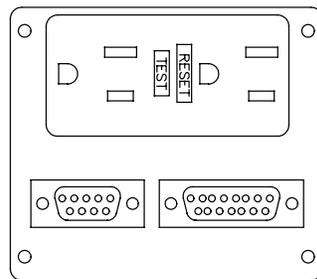
FIG. 69
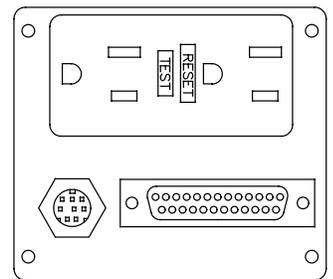
FIG. 70

FIG. 71

Panel Interface Connectors

269

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
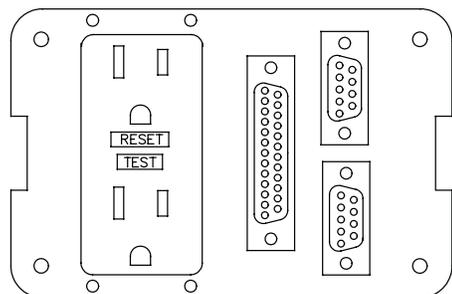
Panel Interface Connectors (PIC)

Data Highway Versions

These panel interface connectors are designed to work with Allen Bradley's Data Highway System (or "Blue Hose") applications. The 9 pin D-sub is connected to the 3 pin pluggable terminal block (plug supplied) used on this system. Data Highway PICs are also available with international style receptacles. Please see the International Version of PICs.

Figure #	Description & Housing Size	Part Number
72	Duplex receptacle with a 3 AMP reset and a 9 pin D-Sub for DH/DH+ applications. This is in a size 32 housing.	DHDP-DB9-R-32
73	Same as figure 72, except, an 8 pin "mini-DIN" circular connector is in parallel with the 9 pin D-sub. This is in a size 32 housing.	DHDP-DB9-8M-R-32
74	Duplex receptacle with a 9 pin D-Sub, an RJ45 and a 3 AMP reset. The 9 pin connector is for DH/DH+. This is in a size 32 housing.	DHDP-DB9-RJ45-R-32
75	Duplex receptacle with three 9 pin D-Sub. The center 9 pin connector is for DH/DH+. The other 9 pin D-subs are standard configurations. This is in a size 32 housing.	DHDP-3DB9-32
76	Duplex receptacle with a female 8 pin "mini-DIN" and an RJ45. The 8 pin "mini-DIN" is connected to a three pin pluggable terminal block (plug supplied) used for DH/DH+. This is in a size 32 housing.	DHDP-8M-RJ45-32
77	Duplex receptacle with two 9 pin D-Sub. The left 9 pin connector is for DH/DH+. This is in a size 32 housing.	DHDP-2DB9-32
78	Duplex receptacle with a 9 pin D-Sub, and a 25 pin D-sub. The 9 pin connector is for DH/DH+. This is in a size 32 housing.	DHDP-DB9-DB25-32
79	Duplex receptacle with a 9 pin D-Sub, and a female 8 pin "mini-DIN" straight through. The 9 pin connector is for DH/DH+. This is in a size 32 housing.	DHDP-DB9-8MP-R-32
80	Duplex receptacle with two 9 pin D-Subs and a 3 AMP reset. The top 9 pin connector is for DH/DH+. This is in a size 32 housing.	DHDPV-2DB9-R-32
81	An isolated ground receptacle with two 9 pin D-Subs and a 3 AMP reset. The top 9 pin connector is for DH/DH+, the other is standard configuration. This is in a size 32 housing.	DHIG-2DB9-R-32
82	Duplex receptacle with a female 8 pin "mini-DIN" that is connected to a three pin pluggable terminal block (plug supplied) used for DH/DH+. This is in a size 32 housing.	DHDP-8M-R-32
83.	Duplex receptacle with two 9 pin D-Sub connectors and one hi-density DB15. The center D-sub is for DH/DH+. The other D-subs are standard configuration. Size 32 housing.	DHDP-2DB9-DDB15-32
84	GFCI receptacle with a 3 AMP reset and a 9 pin D-Sub for DH/DH+ applications. This is in a size 32 housing.	DHGF-DB9-R-32
85	Same as figure 84, except, an 8 pin "mini-DIN" circular connector is in parallel with the 9 pin D-sub. This is in a size 32 housing.	DHGF-DB9-8M-R-32
86	GFCI receptacle with a female 8 pin "mini-DIN" connected to a three pin pluggable terminal block (plug supplied) used for DH/DH+. This is a size 32 housing.	DHGF-8M-R-32
87	Single receptacle with a 9 pin D-Sub connected to a 3 pole pluggable terminal block (plug supplied) used for DH/DH+. This is a size 16 housing.	DHDP1-DB9-16LS
88	9 pin D-Sub and 8 pin "mini-DIN" in parallel to a 3 pole pluggable terminal block. Size 16 housing.	DH-DB9-8M-16LS
89	A single 9 pin D-Sub connector configured for DH/DH+. Size 06 housing.	DH-DB9-06LS

# Panel Interface Connectors (PIC)

Internal View of Components. All units come in NEMA 4 Housings.
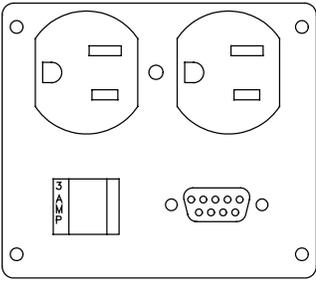
FIG. 72
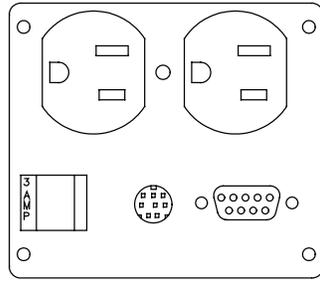
FIG. 73
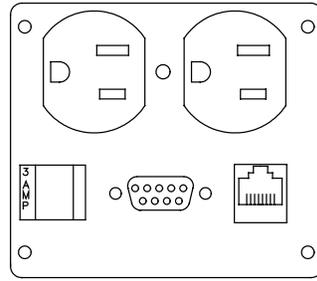
FIG. 74
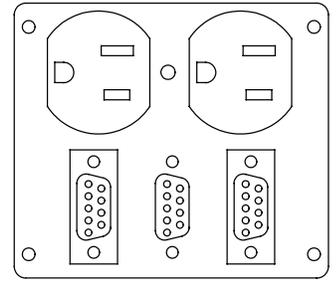
FIG. 75
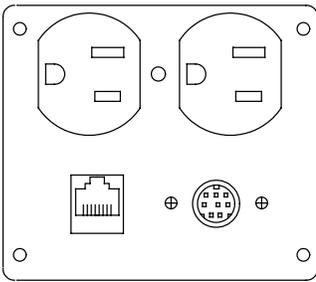
FIG. 76
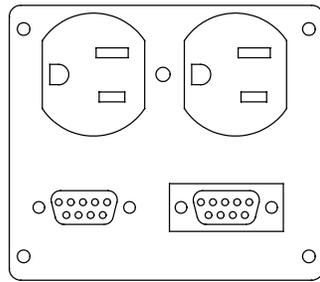
FIG. 77
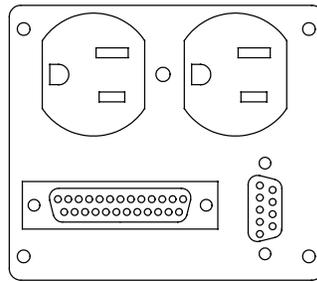
FIG. 78
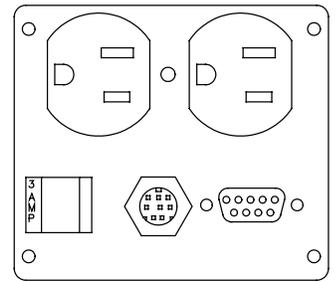
FIG. 79
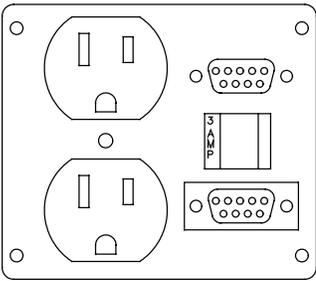
FIG. 80
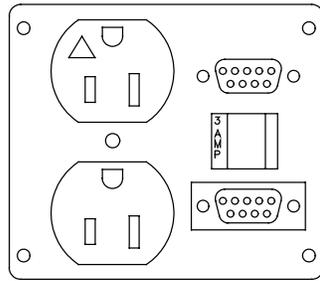
FIG. 81
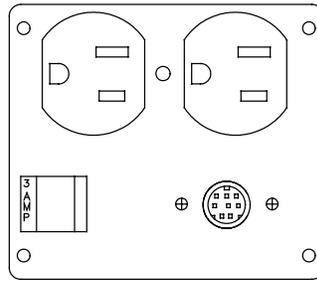
FIG. 82
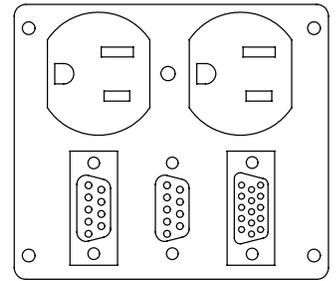
FIG. 83
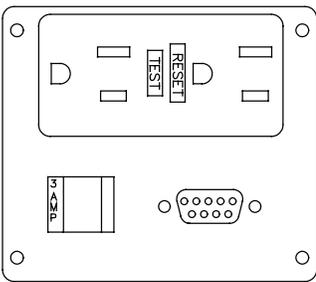
FIG. 84
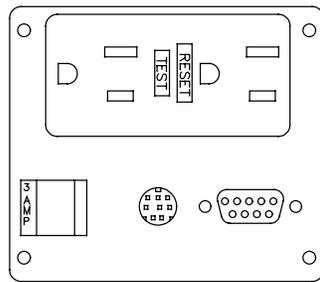
FIG. 85

FIG. 86

FIG. 87

FIG. 88

FIG. 89

271

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
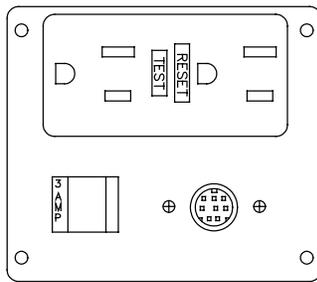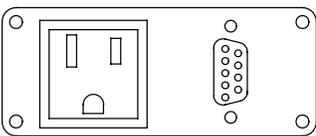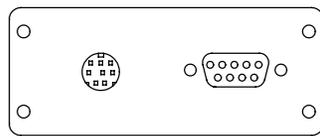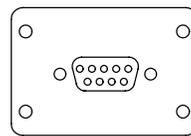
Panel Interface Connectors (PIC)

DeviceNet Versions

Figure #	Description & Housing Size	Part Number
90	DeviceNet Mini Style Female Connector with 12 inch 16 AWG leads in a size 06 housing.	DN2-06LS
91	DeviceNet Micro Style Female Connector with 12 inch 22 AWG leads in a size 06 housing.	DN3-06LS
92	DeviceNet Open Style Connector (internal and external) in a size 16 housing. **Mating open style plugs supplied with unit.**	DN-16LS
93	Duplex receptacle with a DeviceNet Open Style Connector (internal and external) and a 3 AMP reset in a size 32 housing. **Mating open style plugs supplied with unit.**	DP-DN-R-32
94	Duplex receptacle with a DeviceNet Mini Style Female Connector with 12 inch 16 AWG leads and a 3 AMP reset in a size 32 housing.	DP-DN2-R-32
95	Duplex receptacle with a DeviceNet Micro Style Female Connector with 12 inch 22 AWG leads and a 3 AMP reset in a size 32 housing.	DP-DN3-R-32
96	Single receptacle with a 9 pin D-Sub connected to a 3 pole pluggable terminal block for DataHighway, and with a DeviceNet Open Style Connector (internal and external), and a 3 AMP reset in a size 32 housing. **Mating open style plugs supplied with unit**.	DHDP1-DB9-DN-R-32
97	GFCI receptacle with a DeviceNet Open Style Connector (internal and external) and a 3 AMP reset in a size 32 housing. **Mating open style plugs supplied with unit.**	GF-DN-R-32
98	GFCI receptacle with a DeviceNet Mini Style Female Connector with 12 inch 16 AWG leads and a 3 AMP reset in a size 32 housing.	GF-DN2-R-32
99	GFCI receptacle with a DeviceNet Micro Style Female Connector with 12 inch 22 AWG leads and a 3 AMP reset in a size 32 housing.	GF-DN3-R-32
100	Single receptacle with two 9 pin D-Sub connectors, a DeviceNet Open Style connector and a 3 AMP reset in a size 32 housing. **Mating open style plugs supplied with unit.**	DP1-2DB9-DN-R-32

Accessory: Mating Plug, Part Number: DNP-5 is supplied with unit where needed, but additional ones are available.

Panel Interface Connectors (PIC)
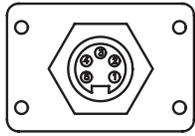
FIG. 90
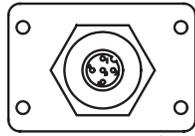
FIG. 91
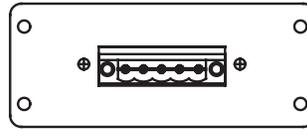
FIG. 92
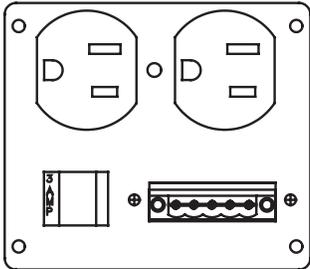
FIG. 93
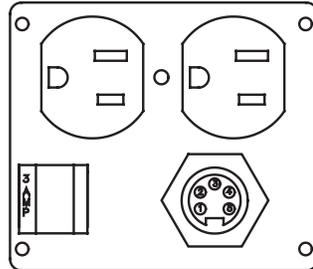
FIG. 94
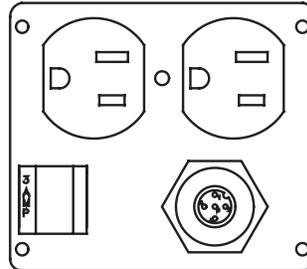
FIG. 95
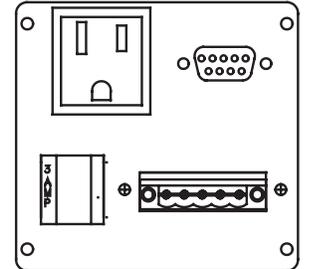
FIG. 96
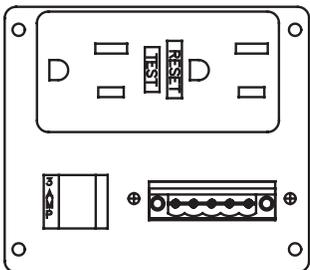
FIG. 97
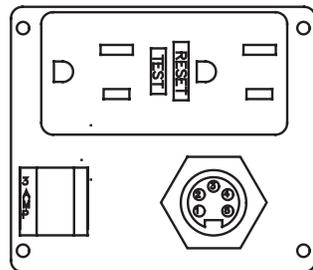
FIG. 98
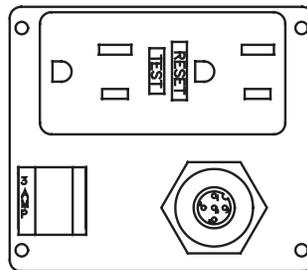
FIG. 99
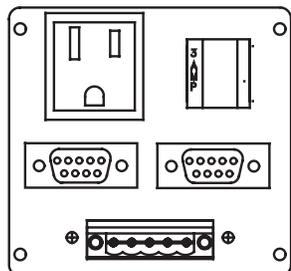
FIG. 100

Panel Interface Connectors

273

Panel Interface Connectors (PIC)

Continental European (German Schuko) Versions

Figure #	Description & Housing Size	Part Number
101	Continental European receptacle with a 3 AMP reset in a size 32 housing.	EP-R-32
102	Continental European receptacle with a 9 pin D-Sub and a 3 AMP reset in a 32 housing.	EP-DB9-R-32
103	Continental European receptacle with a 15 pin D-Sub and a 3 AMP reset in a 32 housing.	EP-DB15-R-32
104	Continental European receptacle with a 25 pin D-Sub and a 3 AMP reset in a 32 housing.	EP-DB25-R-32
105	Continental European receptacle with a female 6 pin "mini-DIN" and a 3 AMP reset in a 32 housing.	EP-6M-R-32
106	Continental European receptacle with an RJ45 and a 3 AMP reset in a 32 housing.	EP-RJ45-R-32
107	Continental European receptacle with two 9 pin D-Subs in a 32 housing.	EP-2DB9-32
108	Continental European receptacle with a 9 pin D-Sub and a 3 AMP reset in a 32 housing. The D-sub is configured for Data Highway ("Blue Hose") applications.	DHEP-DB9-R-32

India (BS546A) Versions

Figure #	Description & Housing Size	Part Number
109	India receptacle with a 3 AMP reset in a 32 housing.	DIN-R-32
110	India receptacle with a 9 pin D-Sub and 3 AMP reset in a 32 housing.	DIN-DB9-R-32
111	India receptacle with a hi-density 15 pin D-Sub and 3 AMP reset in a 32 housing.	DIN-DDB15-R-32
112	India receptacle with a 6 pin "mini-DIN" and 3 AMP reset in a 32 housing.	DIN-6M-R-32
113	India receptacle with an 8 pin "mini-DIN" and 3 AMP reset in a 32 housing.	DIN-8M-R-32
114	India receptacle with a 9 pin D-Sub, 6 pin "mini-DIN" and 3 AMP reset in a 32 housing.	DIN-DB9-6M-R-32
115	India receptacle with a 9 pin D-Sub for Data Highway, and 3 AMP reset in a 32 housing.	DHIN-DB9-R-32
116	India receptacle with a 9 pin D-Sub and 8 pin "mini-DIN" in parallel for Data Highway and 3 AMP reset in a 32 housing.	DHIN-DB9-8M-R-32

United Kingdom (BS 1363A) Versions

| Figure #	Description & Housing Size	Part Number
117	United Kingdom receptacle with a 9 pin D-Sub and 3 AMP reset in a 32 housing.	DUK-DB9-R-32
118	United Kingdom receptacle with a high density 15 pin D-Sub and 3 AMP reset in a 32 housing.	DUK-DDB15-R-32
119	United Kingdom receptacle with a 6 pin "mini-DIN" and 3 AMP reset in a 32 housing.	DUK-6M-R-32
120	United Kingdom receptacle with an 8 pin "mini-DIN" and 3 AMP reset in a 32 housing.	DUK-8M-R-32

Internal View of Components. All units come in NEMA 4 Housings.
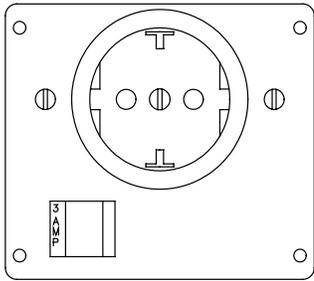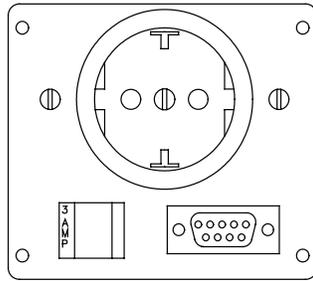
FIG. 101

FIG. 102
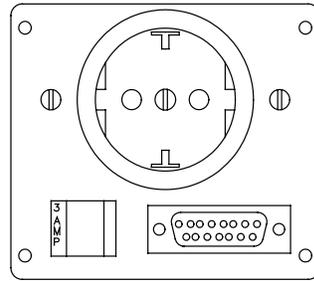
FIG. 103
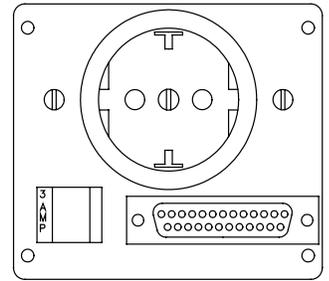
FIG. 104
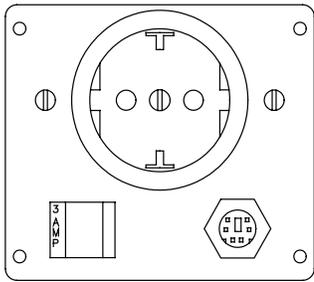
FIG. 105
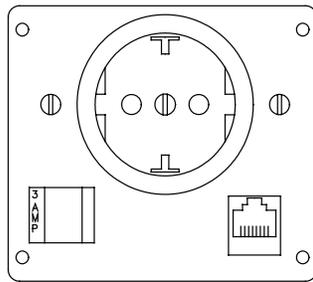
FIG. 106
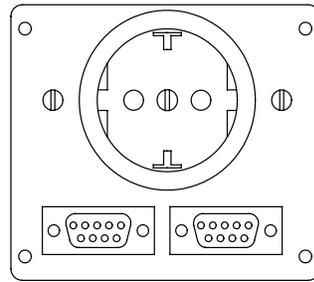
FIG. 107
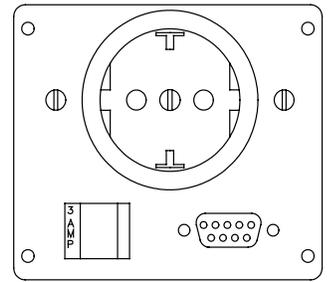
FIG. 108
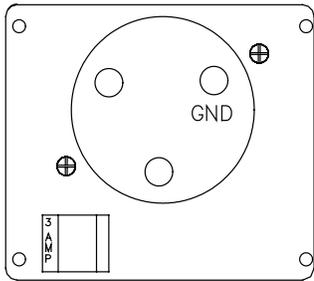
FIG. 109
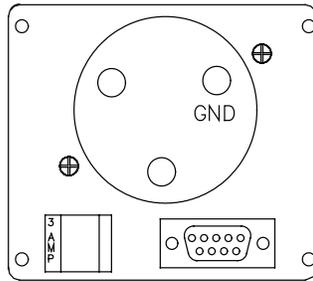
FIG. 110
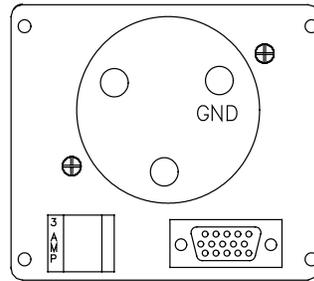
FIG. 111
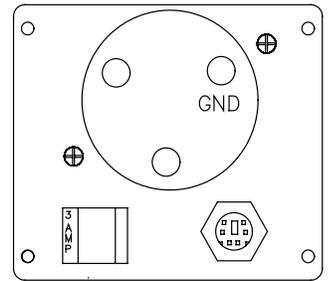
FIG. 112
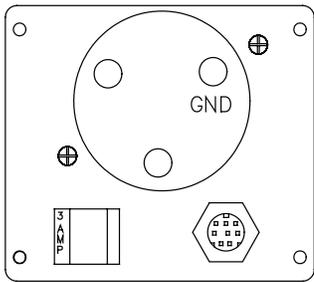
FIG. 113
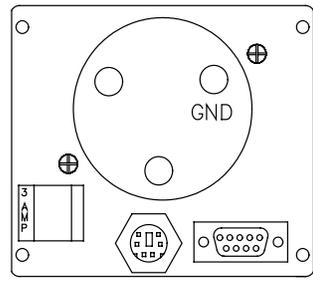
FIG. 114
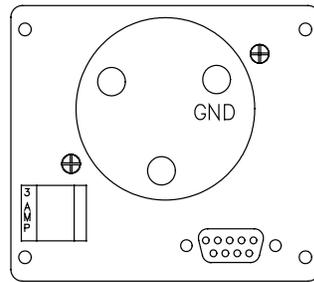
FIG. 115
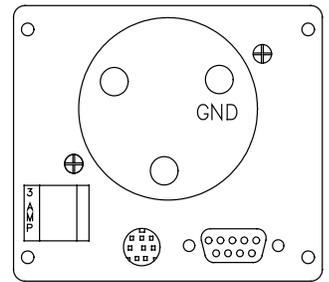
FIG. 116
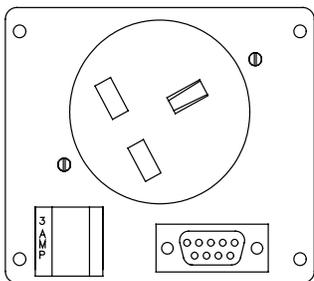
FIG. 117
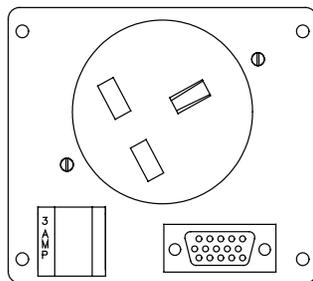
FIG. 118
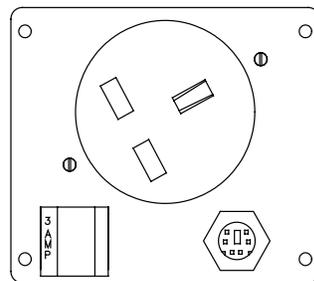
FIG. 119

FIG. 120

Panel Interface Connectors

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
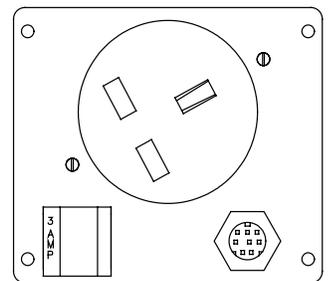
Panel Interface Connectors (PIC)

International Versions continued

Australian (AS 3112-1981) Versions

Figure #	Description & Housing Size	Part Number
121	Australian receptacle in a size 32 housing.	DAS-32
122	Australian receptacle with a 9 pin D-Sub and a 3 AMP reset in a size 32 housing.	DAS-DB9-R-32
123	Australian receptacle with a high density 15 pin D-Sub and a 3 AMP reset in a size 32 housing.	DAS-DDB15-R-32
124	Australian receptacle with a 9 pin D-Sub and a 3 AMP reset. The 9 pin connector is connected to a 3 pin pluggable terminal block commonly used with Allen Bradley's Data Highway system (or "Blue Hose"). Includes 2 plug-in points for end-of-line termination resistor. This is in a size 32 housing.	DHAS-DB9-R-32
124A	Australian receptacle with a 9 pin D-Sub, RJ45 and a 3 AMP reset in a size 32 housing.	DAS-DB9-RJ45-R-32

The Australian Style Receptacles are also the common receptacles used in China.

Panel Interface Connectors (PIC)
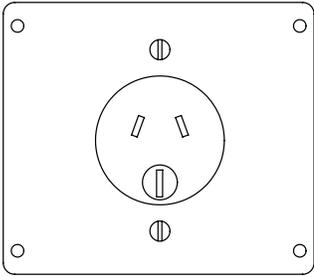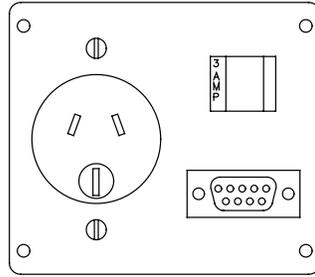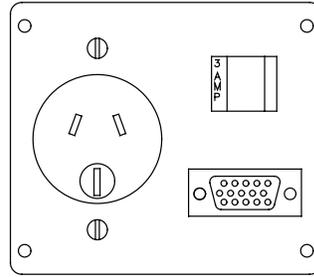
FIG. 121
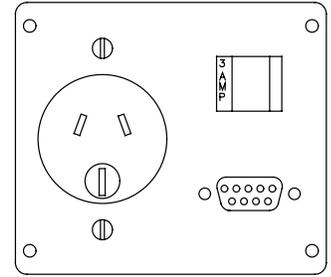
FIG. 122

FIG. 123

FIG. 124
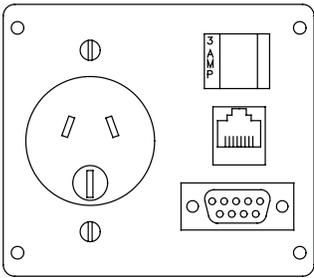
FIG. 124A

Panel Interface Connectors

277

Panel Interface Connectors (PIC)

Other Versions

| Figure #	Description & Housing Size	Part Number
125a	9 pin D-Sub in a size 06 housing.	DB09-06LS
125b	9 pin D-Sub to a pluggable terminal block in a size 06 housings.	DB09-PC9-06LS
126	Hi-density 15 pin D-Sub in a size 06 housing.	DDB15-06LS
127	15 pin D-Sub in a size 06 housing.	DB15-06LS
128	RJ11 connector in a size 06 housing.	RJ11-06LS
129	RJ45 connector in a size 06 housing.	RJ45-06LS
130	6 pin "mini-DIN" female connector in a size 06 housing.	DM6-06LS
131	8 pin "mini-DIN" female connector in a size 06 housing.	DM8-06LS
132	Two USB form A females with cable to a Form A male USB in a size 10 housing. 3 foot, 6 foot and 10 foot cable lengths.	D-2USB-3-10LS, D-2USB-6-10LS, D-2USB-10-10LS
133	Two 9 pin D-Subs in a size 10 housing.	DB09-2-10LS
134a	RJ11 and RJ45 connectors in a size 10 housing.	RJ11-RJ45-10LS
134b	Two RJ45 connectors in a size 10 housing.	RJ45-2-10LS
134c	Two RJ11 connectors in a size 10 housing.	RJ11-2-10LS
135	Two COAX connectors in a size 10 housing.	DCX-2-10LS
136	Two 6 pin "mini-DIN" female connectors in a size 10 housing.	DM6-2-10LS
137	One 9 pin D-Sub and one RJ45 connector in a size 10 housing.	DB09-RJ45-10LS
138	A 9 pin D-Sub and a 15 pin Hi-density D-Sub in a size 10 housing.	DB09-DDB15-10LS
139	RJ45 connector and a USB form A female with cable to a Form A male in a size 10 housing. 3 foot, 6 foot and 10 foot cable lengths.	RJ45-USB-3-10LS, RJ45-USB-6-10LS, and RJ45-USB-10-10LS
140	Two 8 pin "mini-DIN" female connectors in a size 10 housing.	DM8-2-10LS
141	One 25 pin D-Sub connector in a size 16 housing.	DB25-16LS
142	Three 9 pin D-Sub connectors in a size 16 housing.	DB09-3-16LS
143	A Hi-density 15 pin D-Sub and two 6 pin Mini-Din connectors in a size 16 housing.	DDB15-6M2-16LS
144	One Hi-density 15 pin D-Sub and one 8 pin "mini-DIN" in a size 16 housing.	DDB15-8M-16LS
145	One Hi-density 15 pin D-Sub and one 6 pin "mini-DIN" in a size 16 housing.	DDB15-6M-16LS
146	One 9 pin D-Sub and two 6 pin "mini-DINs" in a size 16 housing.	DB09-6M2-16LS
147	One 9 pin D-Sub and two RJ45 connectors in a size 16 housing.	DB09-2RJ45-16LS
148	One 37 pin D-Sub in a size 16 housing.	DB37-16LS
149	One 25 pin D-Sub and one RJ45 connector in a size 16 housing.	DB25-RJ45-16LS

Panel Interface Connectors (PIC)

Panel Interface Connectors
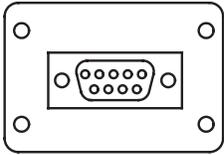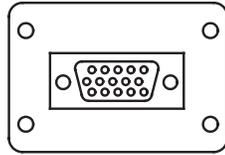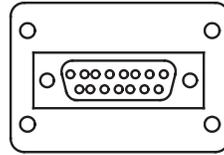
FIG. 125
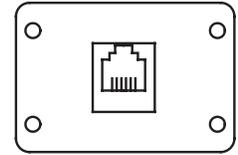
FIG. 126

FIG. 127

FIG. 128
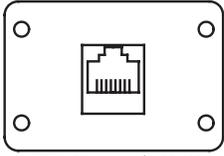
FIG. 129
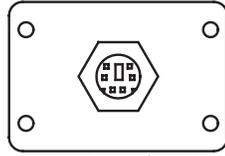
FIG. 130
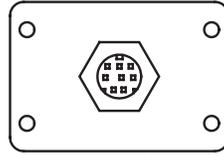
FIG. 131
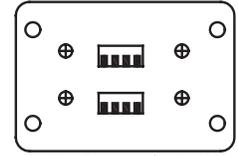
FIG. 132
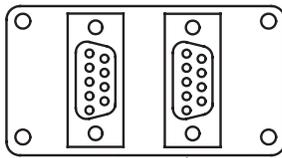
FIG. 133
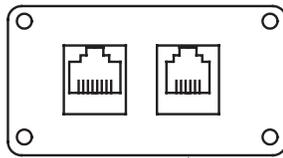
FIG. 134
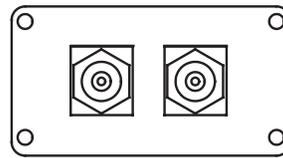
FIG. 135
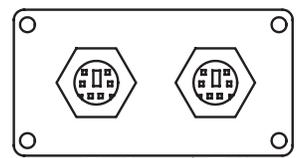
FIG. 136
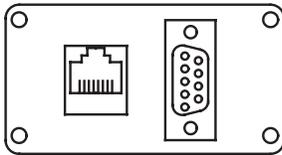
FIG. 137
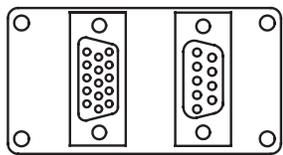
FIG. 138
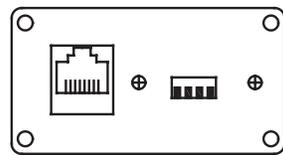
FIG. 139
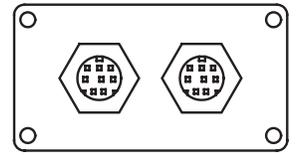
FIG. 140
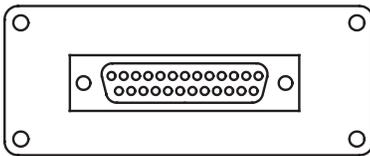
FIG. 141
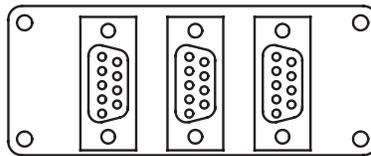
FIG. 142
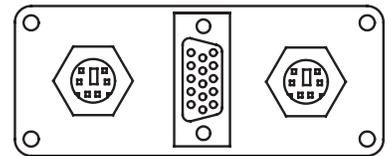
FIG. 143
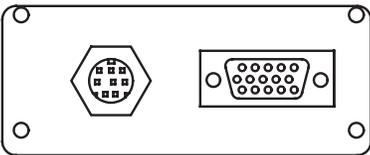
FIG. 144
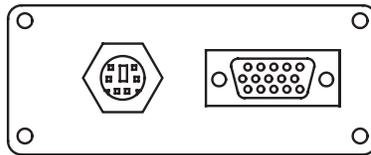
FIG. 145
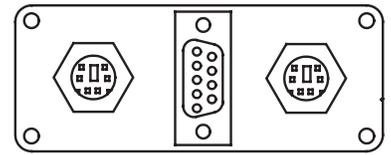
FIG. 146
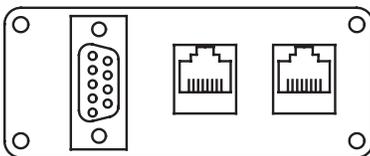
FIG. 147
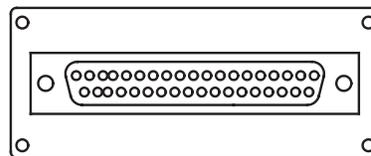
FIG. 148
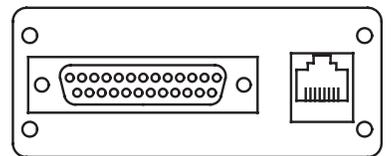
FIG. 149

279

Panel Interface Connectors (PIC)

Other Versions continued

Figure #	Description & Housing Size	Part Number
150	Four 9 pin D-Sub connectors in a size 24 housing.	DB09-4-24LS
151	A 9 pin and 25 pin D-Sub and an RJ45 connector in a size 24 housing.	DB09-DB25-RJ45-24LS
152	A 25 pin and a 15 pin D-Sub connectors in a size 24 housing.	DB15-DB25-24LS
153	Two 25 pin D-Subs in a size 24 housing.	DB25-2-24LS
154	A 9 pin D-Sub, a Hi-density 15 pin D-Sub, and two 6 pin "Mini-Din" connectors in a size 24 housing.	DB09-DDB15-6M2-24LS
155	A 9 pin D-Sub and two RJ45 connectors in a size 24 housing.	DB09-2RJ45-24LS
156	Four 9 pin D-Subs and a 25 pin D-Sub and an RJ45 connector in a size 32 housing (Due to size constraints, it is recommended to use Mencom Cables with this item).	DB25-4DB9-RJ45-32
157	A 25 pin D-Sub, two 6 pin "Mini-Dins" and an RJ45 connector in a size 32 housing.	DB25-6M2-RJ45-32
158	Four 9 pin D-Sub connectors in a size 32 housing.	DB09-4-32LS
159	A 9 pin, Hi-density 15 pin, and a 25 pin D-Subs and an RJ45 connector in a size 32 housing.	DB09-DDB15-DB25-RJ45-32
160	9 pin and 25 pin D-Sub with 2 RJ45 connectors in a size 32 housing.	DB09-DB25-2RJ45-32
161	Two 9 Pin D-Subs, a 25 pin D-Sub and an RJ45 connector. The D-Subs are all wired back to a pluggable terminal block. This is a size 32 housing.	DB25-RJ45-2DB9-32
162	A 9 pin and 25 pin D-Sub, a Hi-density 15 pin D-Sub, an RJ45 connector and two 6 pin "Mini-Din" connectors in a size 24 housing.	DB09-DDB15-DB25-RJ45-6M2-32
163	Two 25 pin D-Sub connectors and four RJ45 connectors in a size 48 housing.	DB25-2-4RJ45-48
164	Two 9 pin D-Subs, one 25 pin D-Sub, two RJ45 and two 6 pin "Mini-Din" connectors in a size 48 housing.	DB09-2-DB25-2RJ45-6M2-48
165	Six 9 pin and two 25 pin D-Subs in a size 48 housing.	DB25-2-6DB9-48
166	Housing and bracket for mounting 3-1/2 bay units. (floppy drives, zip drives, jazz drives, etc) DRIVES NOT INCLUDED	DFD-24LS-KIT
167	Housing and bracket for mounting CD Drives (Figure not shown)	DCD-LS

Panel Interface Connectors (PIC)

Internal View of Components. All units come in NEMA 4 Housings.
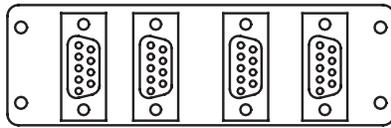
FIG. 150
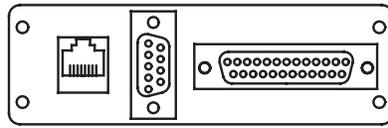
FIG. 151
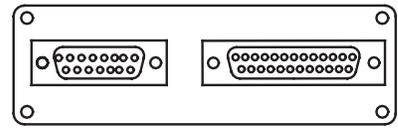
FIG. 152
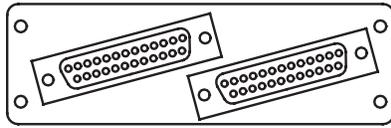
FIG. 153
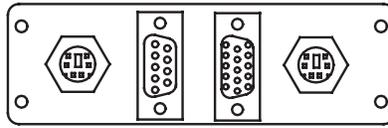
FIG. 154
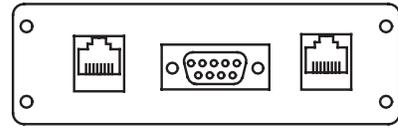
FIG. 155
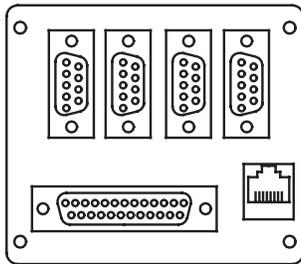
FIG. 156
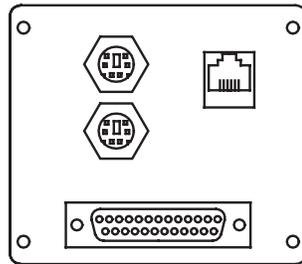
FIG. 157
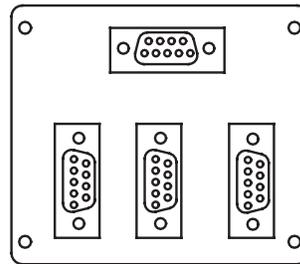
FIG. 158
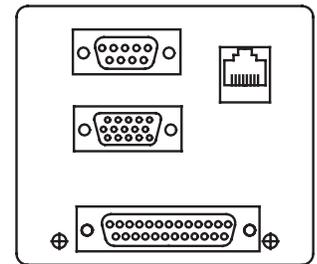
FIG. 159
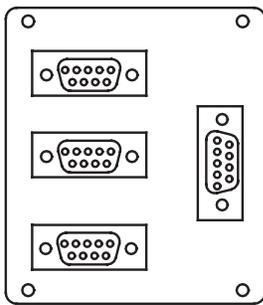
FIG. 160
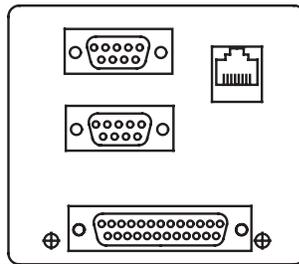
FIG. 161
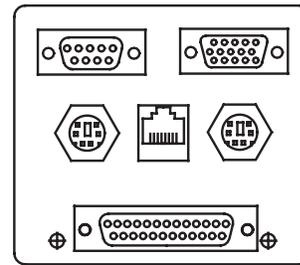
FIG. 162
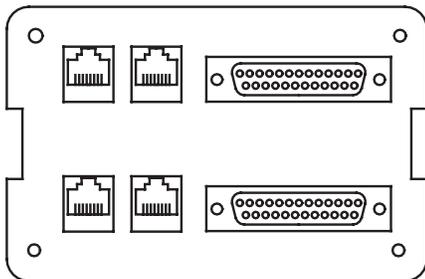
FIG. 163
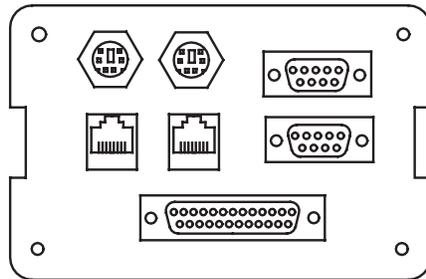
FIG. 164
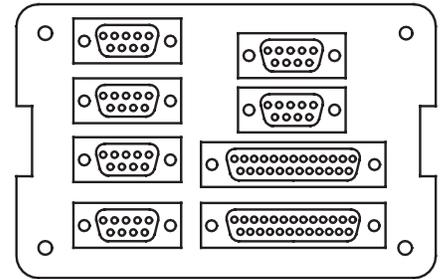
FIG. 165

Fig. 166 Housing and Bracket for Mounting 3-1/2 Bay Devices

5.1 [130.0]

1.3 [32.0]

5.1 [130.0]
4.1 [104.0]

1.5 [37.0]   1.3 [32.5]

1.8 [45.5]

4.3 [109.7] NOMINAL

5.6 [142.5]

281

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
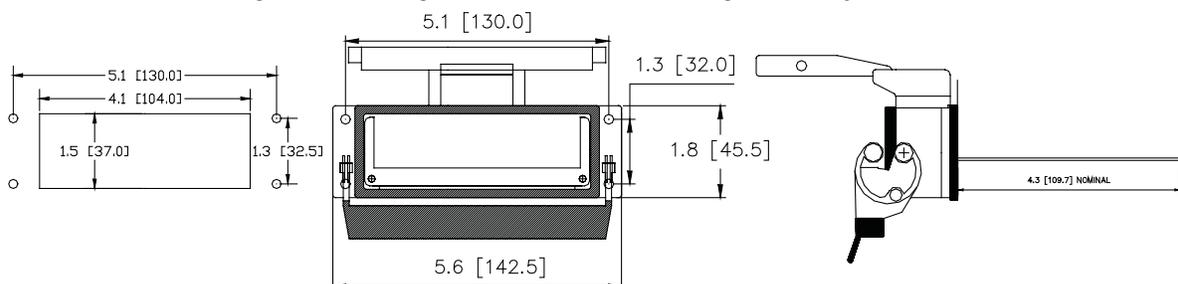
Panel Interface Connectors (PIC)

DIN Rail Mount PIC

These Panel Interface Products are designed to mount on a DIN 35mm rail. All configurations and connections are relative to the standard panel mount versions.
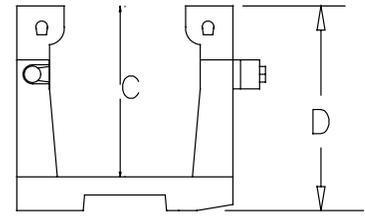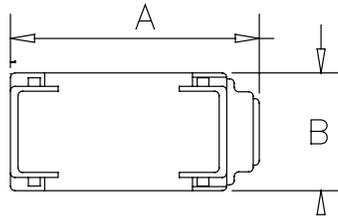
A	3.9" (99mm)	A	4.4" (112mm)
B	2" (51mm)	B	2" (51mm)
C	3.5" (89mm)	C	3.5" (89mm)
D	3.9" (99mm)	D	3.9" (99mm)
	Part Number		Part Number

	DP1-TS		RJ11-RJ45-TS RJ11-2-TS RJ45-2-TS
	DB9-TS		DB9-5AT-TS
	DDB15-TS		DB9-2-TS
	DB15-TS		DM6-5AT-TS DM8-5AT-TS
	RJ11-TS		DB9-RJ45-TS
	RJ45-TS		D-BNC-2-TS
	DM6-TS		DM6-2-TS
	DM8-TS		DM8-2-TS

Mencom Corporation   TEL: 770-534-4585   www.mencom.com

These Panel Interface Products are designed to mount on a DIN 35mm rail. All configurations and connections are relative to the standard panel mount versions.

Dimensions (inches)				A	6,2" (157mm)
	A	5,2" (132mm)		B	2" (51mm)
	B	2" (51mm)		C	3.5" (89mm)
	C	3.5" (89mm)		D	3.9" (99mm)
	D	3.9" (99mm)			

	Part Number		Part Number
	DP1—DB9—TS		DP1—DB25—TS
	DP1—RJ45—TS		DB9—4—TS
	DB25—TS		DB25—2—TS
	DDB15—6M—TS		DB9—2—5AT—TS
	DB9—6M2—TS		DB9—DB25—5AT—TS
	DB25—RJ45—TS		DDB15—DB25—5AT—TS

5.2" (132mm)

2.3" (58mm)

4.0" (102mm)

Part Number
DP—TS

Description
U.S. Style Duplex
Screw Contacts
110 VAC; 15 Amps

283

Panel Interface Connectors (PIC)

Surface Mount Style

This style supplied complete in its own NEMA 4 Enclosure.

4.6 [117]
4.1 [105]
Ø0.2 [Ø5]
3.3 [84]
2.8 [72]

7.3 [185]
0.2 [5]
5.3 [135]
3.5 [90]
4.8 [123] WHEN CLOSED
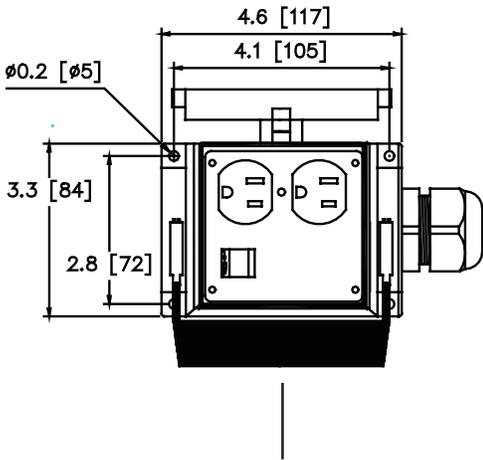
Part Number: **DP-10R-P32**

Duplex receptacle with a 10 AMP reset; size 32 surface mount housing. Includes Metal Cable Gland for cable O.D. range of 0.475″ to 0.787″.
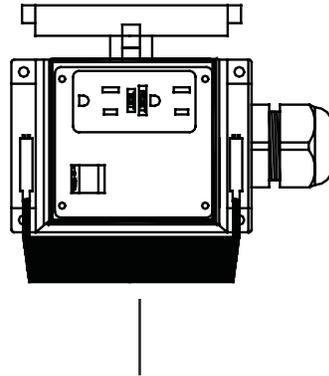
Part Number: **GF-10R-P32**

GFCI receptacle with a 10 AMP reset; size 32 surface mount housing. Includes Metal Cable Gland for cable O.D. range of .475″ to 0.787″.

4.6 [117]
4.1 [105]
Ø0.2 [Ø5]
3.3 [84]
2.8 [72]

7.3 [185]
0.2 [5]
5.3 [135]
3/4" NPT
3.5 [90]
4.8 [123] WHEN CLOSED
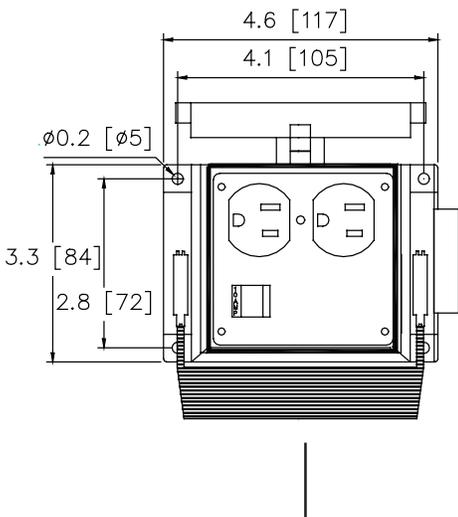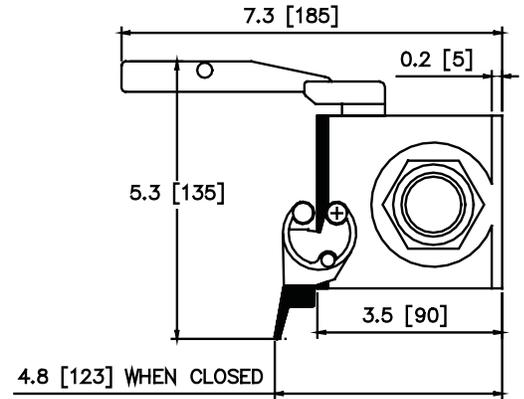
Part Number: **DP-10R-P532**

Duplex receptacle with a 10 AMP reset; size 32 surface mount housing. Single 3/4″ conduit entry.
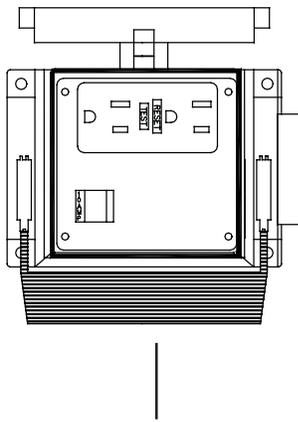
Part Number: **GF-10R-P532**

GFCI receptacle with a 10 AMP reset; size 32 surface mount housing. Single 3/4″ conduit entry
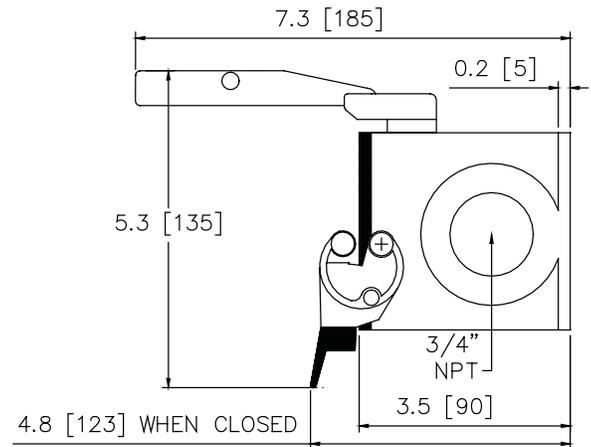
Other versions in the Surface Mount Style are available, please consult the factory.

Panel Interface Connectors (PIC)
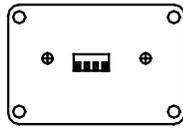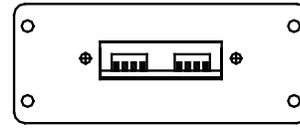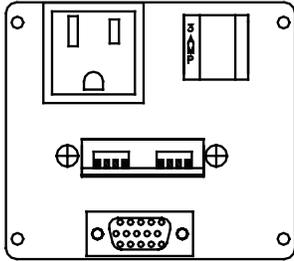
FIG. 182
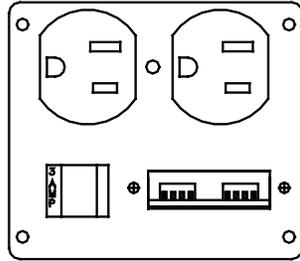
FIG. 183

FIG. 184

FIG. 185
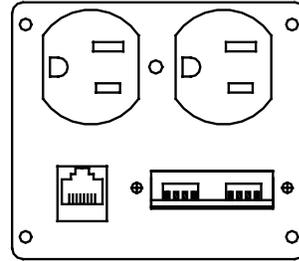
FIG. 186
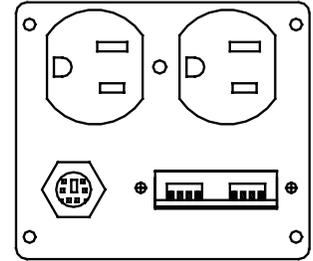
FIG. 187
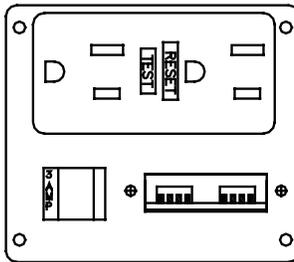
FIG. 188
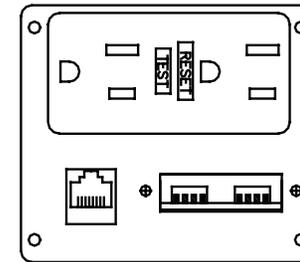
FIG. 189

FIG. 190

FIG. 191

Panel Interface Connectors
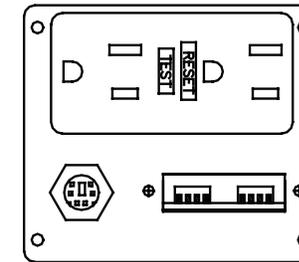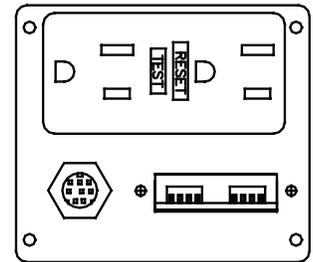
Figure #	Description & Housing Size	Part Number
182	USB Form A Female with Cable and Form A Male termination. Size 06 housing.	
	3 Foot Version	D-USB-3-06LS
	6 Foot Version	D-USB-6-06LS
	10 Foot Version	D-USB-10-06LS
183	USB (2) connections in a size 16 housing.	D-USB-16LS
184	Single outlet with a Hi-Density 15 pin D-sub and two USB connections with a 3 AMP reset in a size 32 housing.	DP1-DDB15-USB-R-32
185	Duplex receptacle with a USB (2) and a 3 AMP reset in a size 32 housing.	DP-USB-R-32
186	Duplex receptacle with a USB (2) and an RJ45 connection is a size 32 housing.	DP-USB-RJ45-32
187	Duplex receptacle with a USB (2) and a 6 pin "mini-din" connection in a size 32 housing.	DP-USB-6M-32
188	GFCI receptacle with a USB (2) and a 3 AMP reset in a size 32 housing.	GF-USB-R-32
189	GFCI receptacle with a USB (2) and an RJ45 connection is a size 32 housing.	GF-USB-RJ45-32
190	GFCI receptacle with a USB (2) and a 6 pin "mini-din" connection in a size 32 housing.	GF-USB-6M-32
191	GFCI receptacle with a USB (2) and an 8 pin "mini-din" connection in a size 32 housing.	GF-USB-8M-32

285

Panel Interface Extension Cables

Panel Interface Connectors

Female   Fig. 192   Male

Fig. 193

Male   Fig. 194   Male
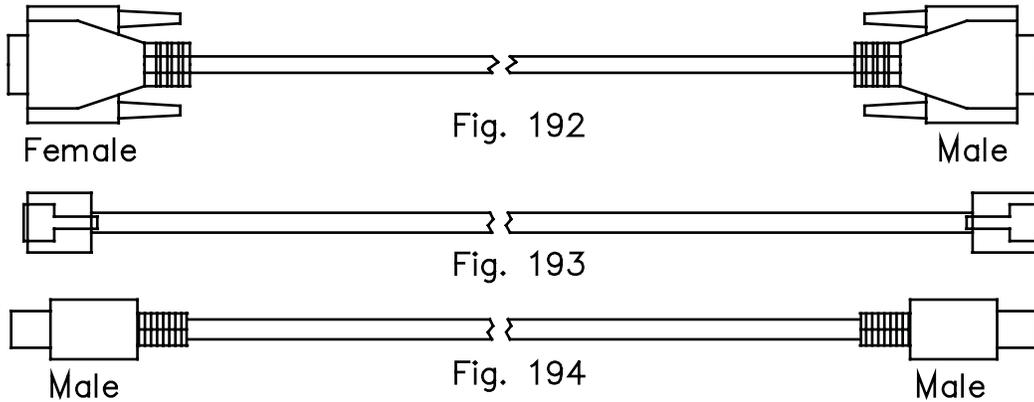
Installation Cable Part Numbers						
Connector Type	**Figure #**	**3 FT**	**6 FT**	**7 FT**	**10 FT**	**14 FT**
9 Pin D-SUB	192	DB09-MF-03	DB09-MF-06	N/A	DB09-MF-10	N/A
15 Pin D-SUB	192	DB15-MF-03	DB15-MF-06	N/A	DB15-MF-10	N/A
25 Pin D-SUB	192	DB25-MF-03	DB25-MF-06	N/A	DB25-MF-10	N/A
37 Pin D-SUB	192	N/A	DB37-MF-06	N/A	DB37-MF-10	N/A
Hi-Density 15 Pin D-SUB	192	DDB15-MF-03	DDB15-MF-06	N/A	DDB15-MF-10	N/A
RJ 11	193	RJ11-03	N/A	RJ11-07	N/A	RJ11-14
RJ 45	193	RJ45-03	N/A	RJ45-07	RJ45-10	RJ45-15
5 Pin CIRC DIN	194	N/A	DA5-MM-06	N/A	DA5-MM-10	N/A
6 Pin "MINI DIN"	194	N/A	DM6-MM-06	N/A	DM6-MM-10	N/A
8 Pin "MINI DIN"	194	N/A	DM8-MM-06	N/A	DM8-MM-10	N/A
U.S.B. (Style A)	194	D-USB-03	D-USB-06	N/A	D-USB-10	N/A

D-Sub Inserts				
# of Pins	Male Solder Cup	Female Solder Cup	Male Crimp	Female Crimp
9	DB09MSC	DB09FSC	DB09MCR	DB09FCR
15	DB15MSC	DB15FSC	DB15MCR	DB15FCR
Hi-Density DB15	DDB15MSC	DDB15FSC	DDB15MCR	DDB15FCR
25	DB25MSC	DB25FSC	DB25MCR	DB25FCR
37	DB37MSC	DB37FSC	DB27MCR	DB37FCR

Crimp Pins: Female: DBFCP
                     Male: DBMCP

Solder Cup   Crimp Style
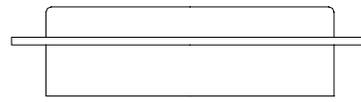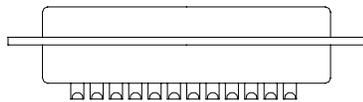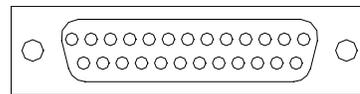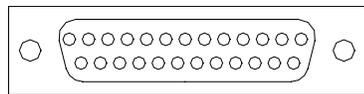
D-Sub Shells		
# of Pins	Metal	Plastic
9	DB09-SHELL	DB09-SHELL-PA
15	DB15-SHELL	DB15-SHELL-PA
25	DB25-SHELL	DB25-SHELL-PA
37	DB37-SHELL	DB37-SHELL-PA

Thumb Screws included with shells.

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
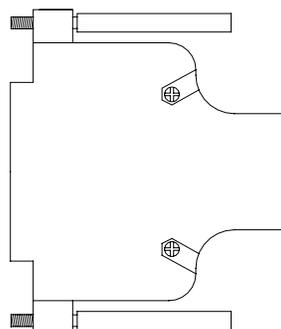
Panel Interface Connectors (PIC)

Male-Female D-Subminiature (D-Sub) Cables with Guaranteed Color Code

Mencom introduces a line of 9, 25 and 37 pin D-Subminiature connectors with a guaranteed color code along with a heavier wire gauge than is standard. These cables are especially useful for applications requiring a single ended D-Subminiature cable. Simply cut the end that is not required and use our color code chart to wire the free end. The heavier gauge wires (20AWG for the last four wires and 24 AWG for the remaining wires) allow the user to easily terminate the wires into standard terminal blocks. Crimp or solder inserts and shells are also available should the use require the reinstallation of a connector. For these accessories, see the previous page.

Specifications:

Cable Jacket: Oil Resistant Gray PVC
Overmold: Oil Resistant Gray PVC
Cable: 24 & 20 AWG with foil shield;
20 AWG drain wire;
last 4 wires are 20 AWG
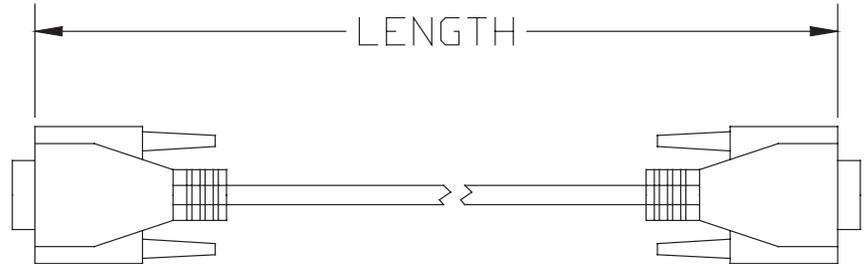
Length	DB09	DB25	DB37
6 FT	DB09-MFP-06	DB25-MFP-06	DB37-MFP-06
10 FT	DB09-MFP-10	DB25-MFP-10	DB37-MFP-10
20 FT	DB09-MFP-20	DB25-MFP-20	DB37-MFP-20
30 FT	DB09-MFP-30	DB25-MFP-30	N/A
40 FT	DB09-MFP-40	DB25-MFP-40	N/A

Color Codes

| DB09 Cables		DB25 Cables				DB37 Cables					
Pin #	Color Code	Pin #	Color Code	Pin #	Color Code	Pin #	Color Code	Pin #	Color Code	Pin #	Color Code
1	Black	1	Black	14	Green	1	White	14	Violet/Red	27	Yellow/Red
2	Brown	2	Black/White	15	Green/Black	2	White/Black	15	Violet	28	Gray/Red
3	Red	3	Brown	16	Green/White	3	Green	16	Violet/Black	29	Pink/Red
4	Orange	4	Brown/White	17	Blue	4	Green/Black	17	Orange	30	Red/White
5	Yellow	5	Red	18	Blue/White	5	Yellow	18	Orange/Black	31	Light Green/Red
6	Green	6	Red/Black	19	Violet	6	Yellow/Black	19	Light Blue	32	Violet/White
7	Blue	7	Red/White	20	Violet/White	7	Gray	20	Light Blue/Black	33	Light Blue/Red
8	Violet	8	Orange/Black	21	Gray	8	Gray/Black	21	Light Green	34	Brown
9	White	9	Orange	22	Gray/Black	9	Pink	22	Light Green/Black	35	Brown/White
		10	Orange/White	23	Pink	10	Pink/Black	23	Blue/Black	36	Blue
		11	Yellow	24	Pink/Black	11	Red	24	Brown/Black	37	Blue/White
		12	Yellow/Black	25	White	12	Red/Black	25	White/Orange		
		13	Light Green			13	Black	26	Green/White		
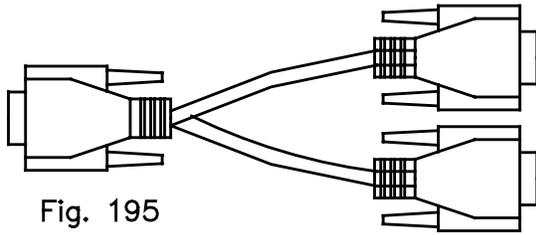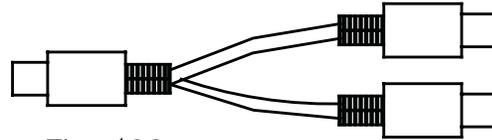
Fig. 195

Fig. 196

Specialty Installation Cable Part Numbers					
Part Number	Figure #	Connection Type IN	Connection Type OUT	Length	Notes
DB09-F2M-1	195	1 - 9 Pin D-SUB Female	2 - 9 Pin D-SUB Male	1 FT	**CANNOT** be used simultaneously
DDB15-M2F-1	195	1 - Hi-Density 15 Pin D-SUB Male	2 - Hi-Density 15 Pin D-SUB Female	1 FT	**CAN** be used simultaneously
DB25-F2F-1	195	1 - 25 Pin D-SUB Female	2 -25 Pin D-SUB Female	1 FT	**CANNOT** be used simultaneously
DM6-M2F-1	196	1 - 6 Pin "MINI-DIN" Male	2 - 6 Pin "MINI-DIN" Female	1 FT	**CANNOT** be used simultaneously

---

Locking Bar and Padlock for Panel Interface Connectors
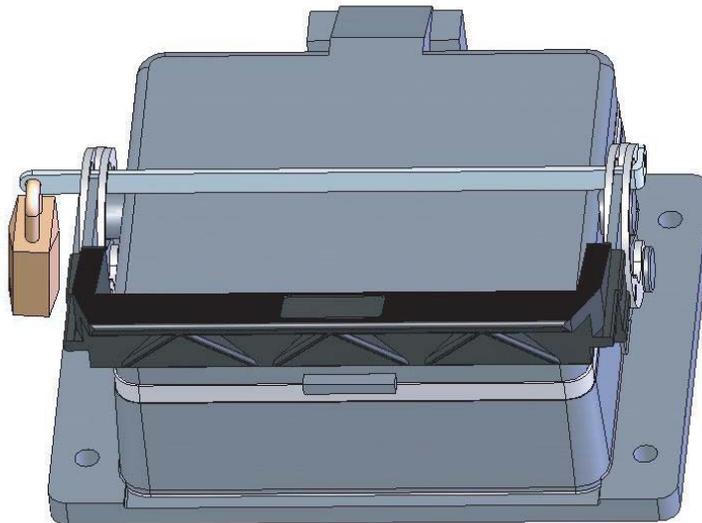
Part Number: **D-PIC-LOCK**

The Locking Bar and Padlock come as a kit. The bar is easily slid into the latch on the panel interface connector and the padlock is then attached through the open hole on the other end.

Panel Interface Connectors (PIC)

Notes
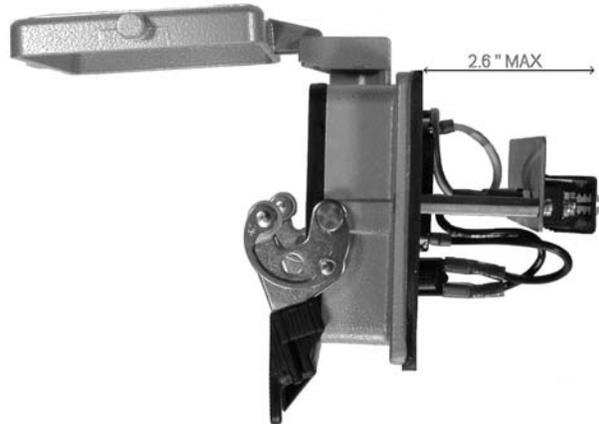
We continue to expand our product line offering for the Panel Interface Connectors as processors continue to become more efficient. We use the term 'efficient' not only for the cost, but also the speed and protocols used for communication. Currently, our offering for USB connections is limited. However, we add new parts everyday. If you do not see the part you need, please contact us and let us know.

Further, we realize that the next step for communication (and/or physical) connection for these devices will be Fire-Wire. We will continue to add new parts to this line so that we can fully support your requirements for quick, easy and safe access to your control processor.

If we can assist you in your development please do not hesitate to call us at

770-534-4585 or visit our website at www.mencom.com

290
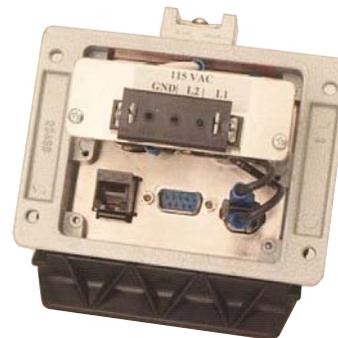
Panel Interface Connectors
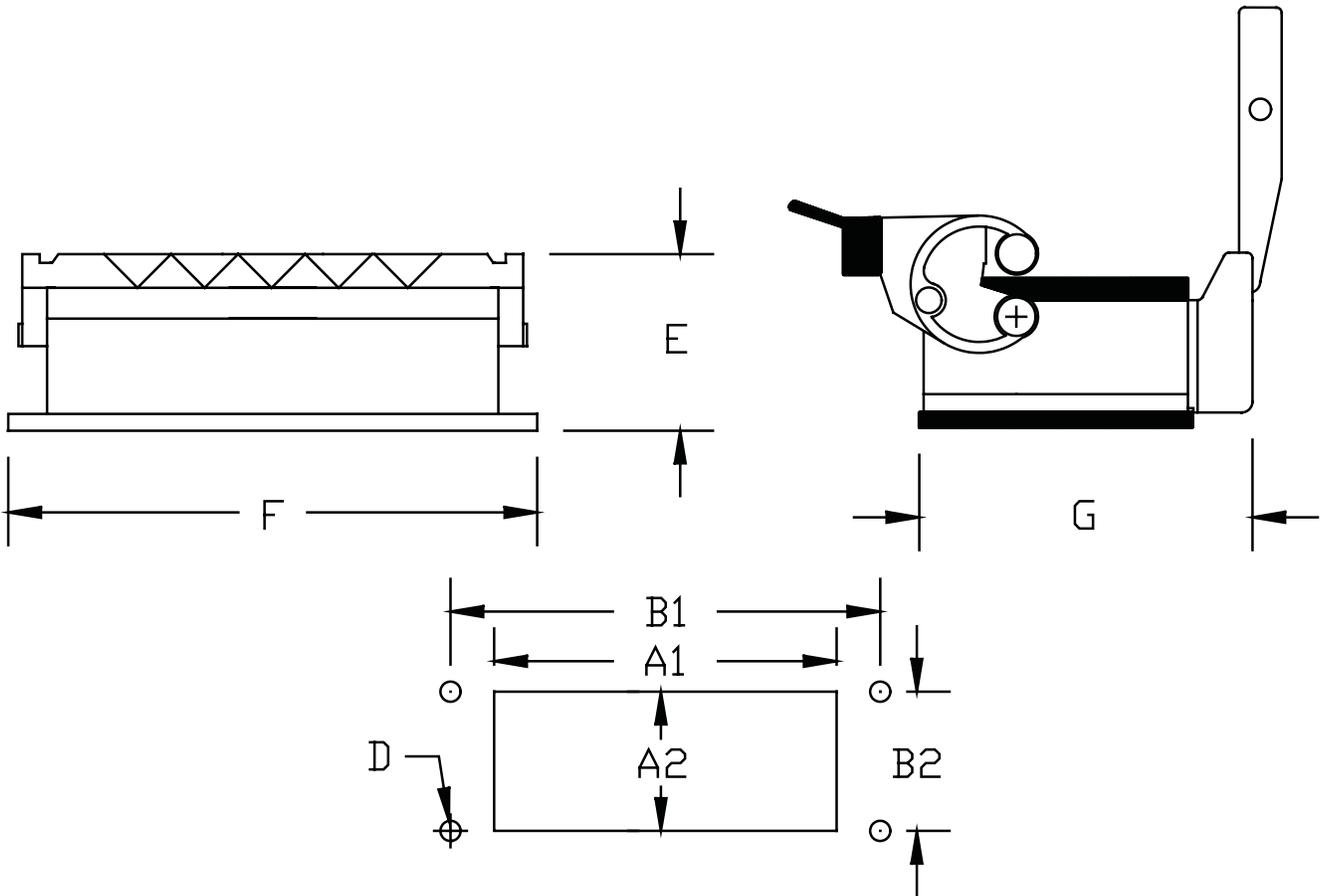
| SIZE	A1	A2	B1	B2	D	E	F	G
6	2.13″	1.46″	2.76″	1.26″	.177″	1.93″	3.25″	2.48″
10	2.64″	1.46″	3.27″	1.26″	.177″	1.83″	3.76″	2.48″
16	3.46″	1.46″	4.07″	1.26″	.177″	1.83″	4.55″	2.48″
24	4.10″	1.46″	5.12″	1.26″	.177″	1.83″	5.61″	2.48″
32	3.46″	2.99″	4.33″	2.56″	.177″	2.16″	4.96″	4.20″
48	4.92″	3.19″	5.83″	2.76″	.256″	4.00″	6.60″	4.20″

Ø0.177

4.330

3.465

2.560

2.992

Size 32 Cut-out

291

Mencom Corporation   TEL: 770-534-4585   www.mencom.com
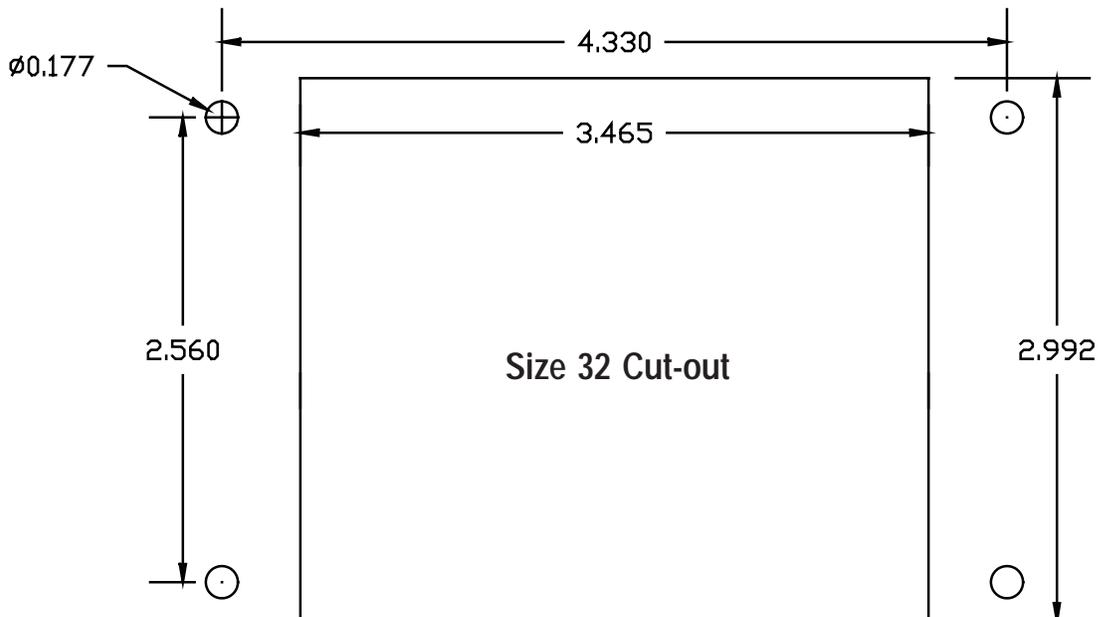
Panel Interface Connectors (PIC)

Punches

Punch & Die sets for Panel Interface Connectors and ILME Connectors

These punches are intended to be used with Greenlee hydraulic hand tools. The punch and die set are available for size 6, 10, 16 and 24 openings only. While punching, the drill holes for fastening the connectors are marked by the die with centermarks so that they can easily be drilled out afterwards.

Part Number	Hole Size	Dimensions
CHI-06-PUNCH	Size 6	35 mm x 52 mm
CHI-10-PUNCH	Size 10	35 mm x 65 mm
CHI-16-PUNCH	Size 16	35 mm x 85.5 mm
CHI-24-PUNCH	Size 20	35 mm x 112.0 mm