

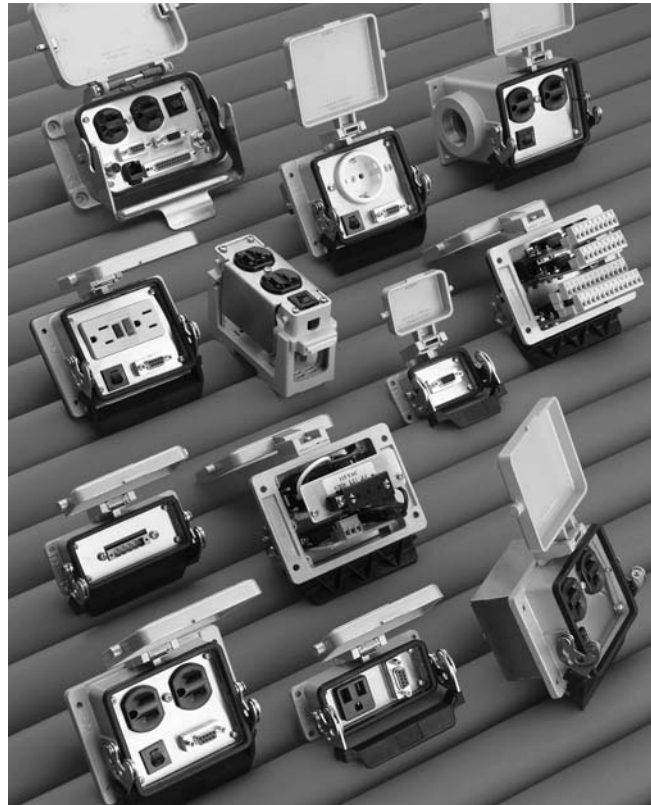
MENCOM CORPORATION

PANEL INTERFACE CONNECTORS (PIC's)

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 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.



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-sub 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 DIN’s 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 factory.

* REGISTERED TRADEMARK OF ALLEN-BRADLEY COMPANY, LLC

DUPLEX VERSION OF THE PANEL INTERFACE CONNECTORS

| <u>FIG. #</u> | <u>DESCRIPTION & PART NUMBER</u> | <u>PART NUMBER</u> |
|---------------|---|----------------------|
| 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 connectors, in a size 32 housing. | DP-6M-R-32 |
| 9.) | Duplex receptacle with a 3 AMP reset and an 8 pin “mini-DIN” female connectors, in a size 32 housing. | DP-8M-R-32 |
| 10.) | Duplex receptacle with a 3 AMP reset and a 5 pin “circular DIN” female connectors, in a size 32 housing. | DP-5AT-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 |

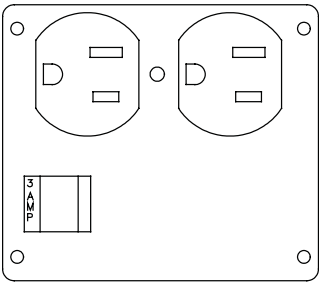


FIG. 1

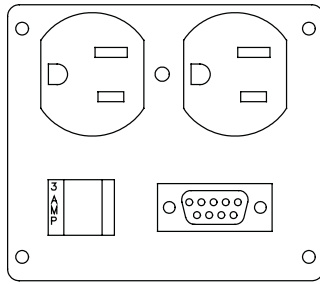


FIG. 2

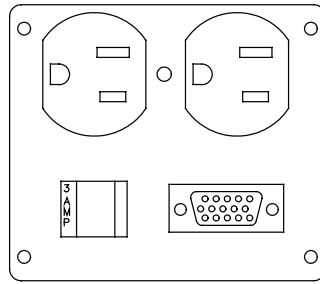


FIG. 3

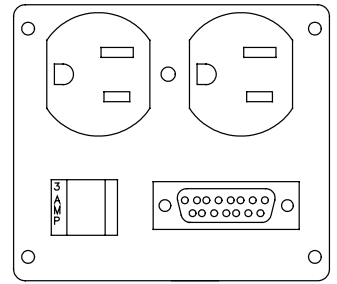


FIG. 4

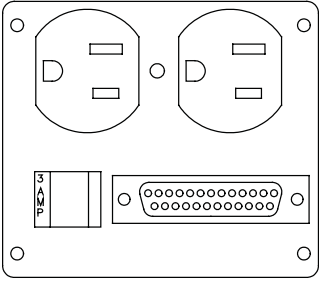


FIG. 5

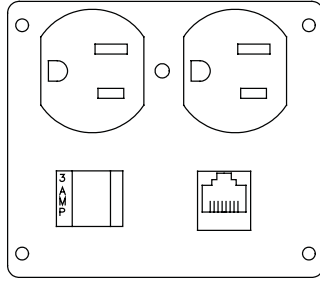


FIG. 6

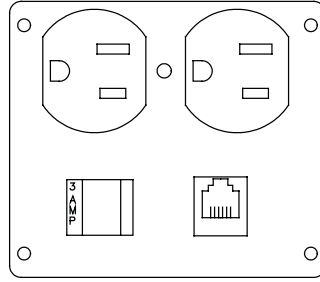


FIG. 7

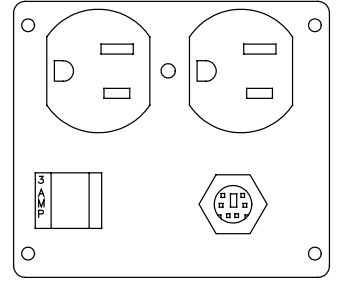


FIG. 8

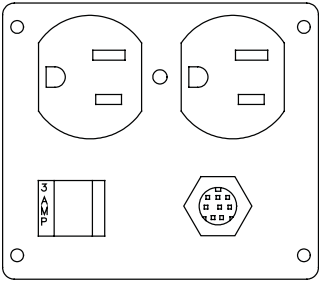


FIG. 9

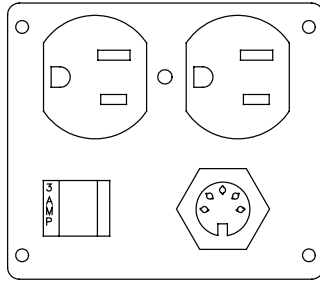


FIG. 10

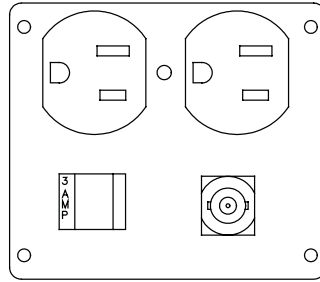


FIG. 11

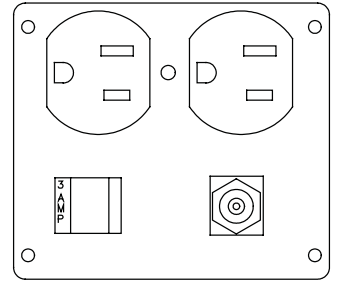


FIG. 12

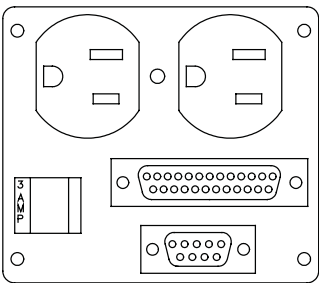


FIG. 13

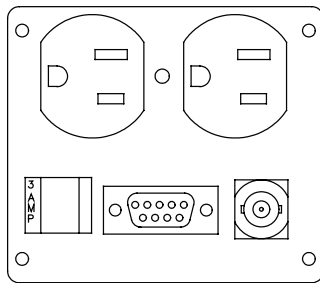


FIG. 14

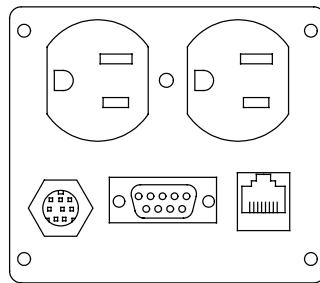


FIG. 15

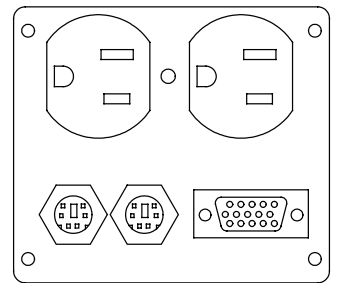


FIG. 16

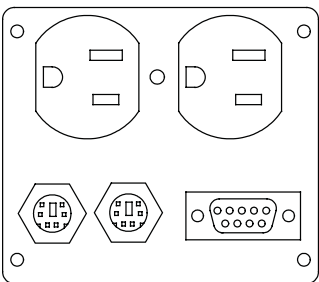


FIG. 17

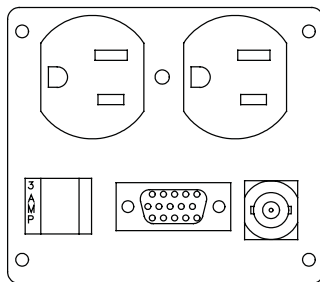


FIG. 18

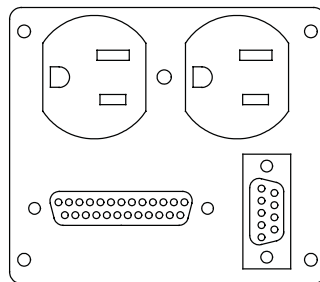


FIG. 19

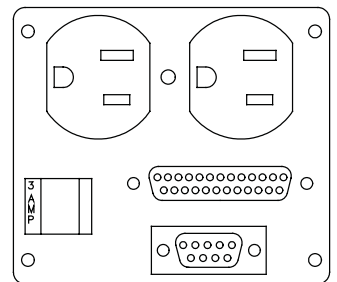


FIG. 20

Internal view of components. All units come in NEMA 4 Housings

DUPLEX VERSIONS (cont'd)

| <u>FIG. #</u> | <u>DESCRIPTION & PART NUMBER</u> | <u>PART NUMBER</u> |
|---------------|---|---------------------|
| 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 a 9-pin D-Sub and a female 5 pin circular DIN connector, in a size 32 housing. | DP-DB9-5AT-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.) | "Twist-Lock" duplex receptacle with an RJ45 and a 3 AMP reset in a size 32 housing | DPT-RJ45-R-32 |
| 38.) | "Twist-Lock" Duplex receptacle with a 9 pin D-Sub, an RJ45 and 3 AMP reset in a size 32 housing. | DPT-DB9-RJ45-R-32 |
| 39.) | Duplex receptacle with a 5 pin female circular DIN connector and two 9 pin D-sub, the top D-sub is wired to a 9 pin discreet wire pluggable connector, in a size 32 housing | DPV-2DB9-PC9-5AT-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 |

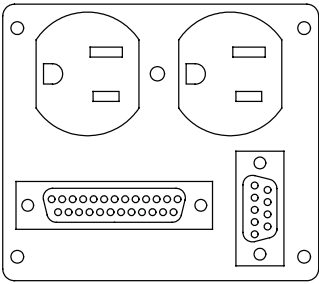


FIG. 21

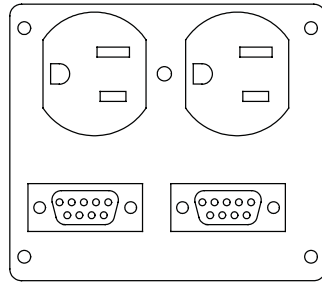


FIG. 22

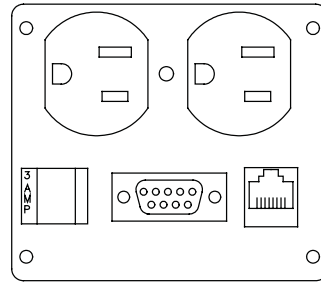


FIG. 23

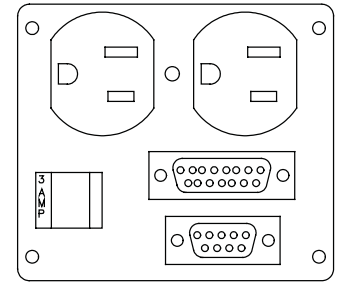


FIG. 24

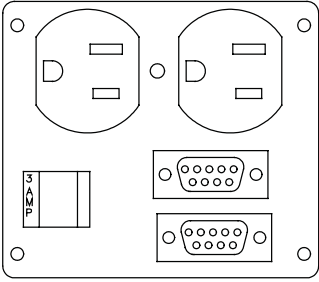


FIG. 25

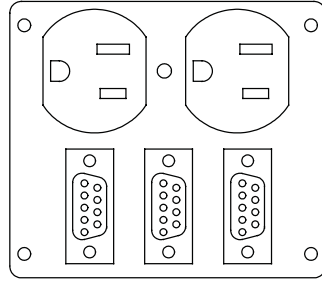


FIG. 26

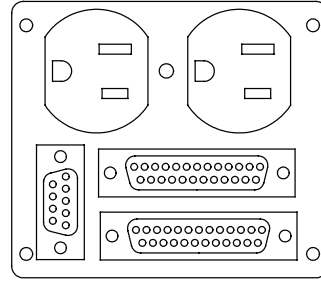


FIG. 27

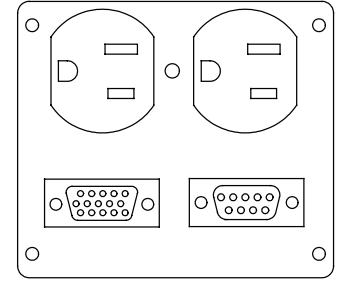


FIG. 28

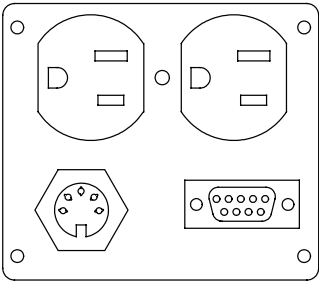


FIG. 29

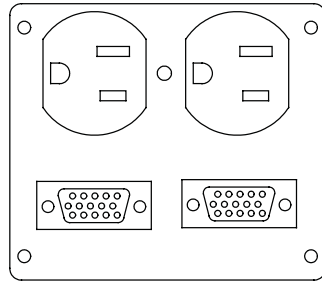


FIG. 30

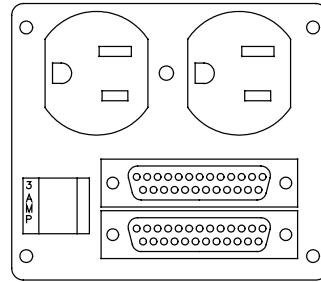


FIG. 31

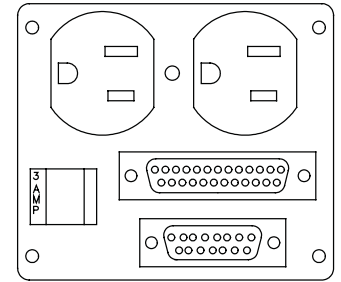


FIG. 32

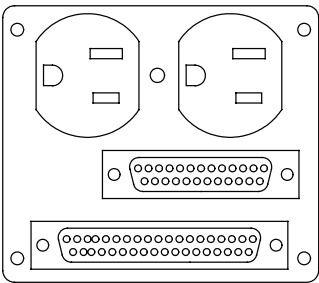


FIG. 33

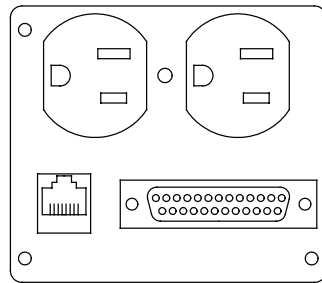


FIG. 34

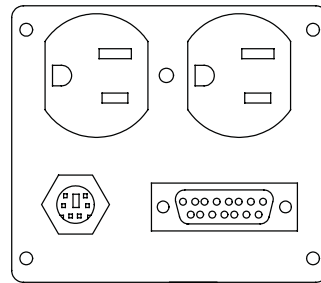


FIG. 35

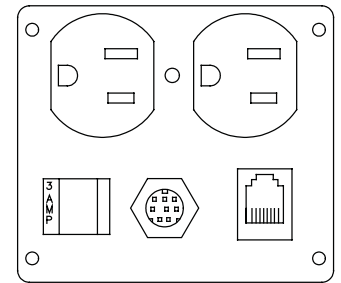


FIG. 36

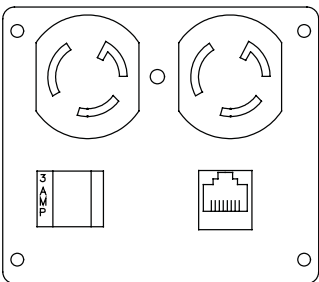


FIG. 37

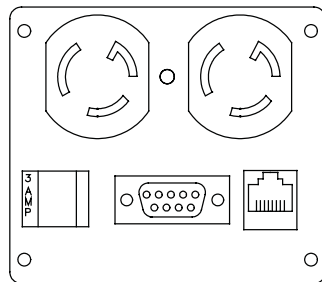


FIG. 38

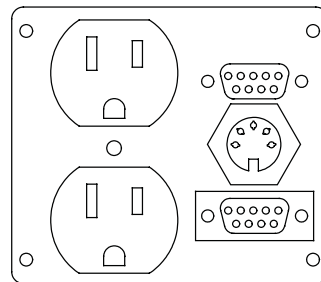


FIG. 39

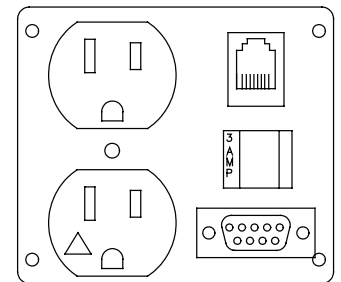


FIG. 40

Internal view of components. All units come in NEMA 4 Housings

DUPLEX VERSIONS (cont'd)

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---------------|---|--------------------|
| 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 |
| 43a.) | Duplex receptacle with a 8 pin "mini-DIN" female, a female 5 pin circular DIN and a 3 AMP reset in a size 32 housing | DPV-8M-5AT-R-32 |
| 43b.) | Duplex receptacle with a 6 pin "mini-DIN" female, a female 5 pin circular DIN and a 3 AMP reset in a size 32 housing | DPV-6M-5AT-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 OF PANEL INTERFACE CONNECTORS

| | | |
|-------|---|-------------------------|
| 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-sub, 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 four 9 pin D-Subs, in a size 32 housing. Power connection made via 0.250" quick tabconnection. | DP1-4DB9-32 |
| 54.) | Single outlet with a 9 pin D-Sub, a hi-density DB15, two 6 pin "mini-DIN's", one 25 pin D-sub and an RJ45 connection. Size 48 Housing. Power connection made via 0.250" quick tab connection. | DP1-EV-48LS |

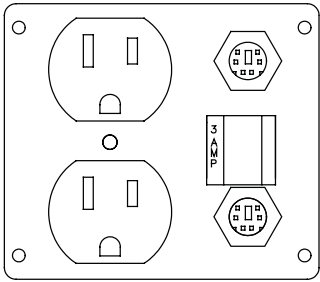


FIG. 41

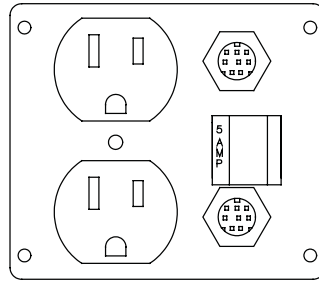


FIG. 42

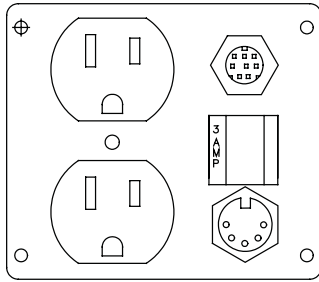


FIG. 43

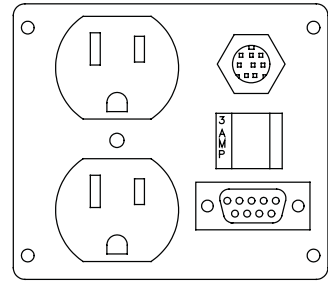


FIG. 44

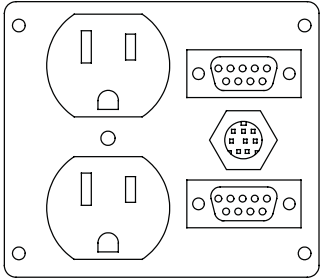


FIG. 45

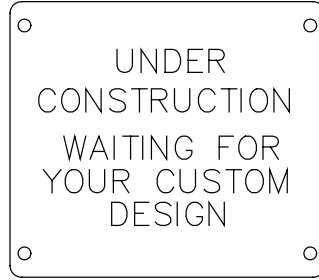


FIG. 46

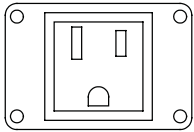


FIG. 47

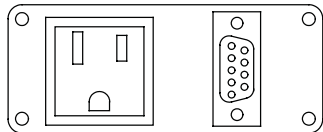


FIG. 48

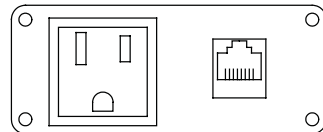


FIG. 49

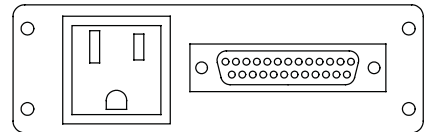


FIG. 50

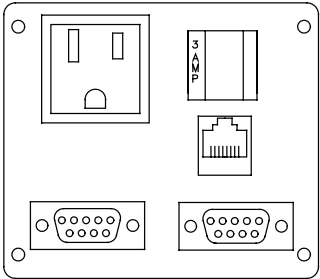


FIG. 51

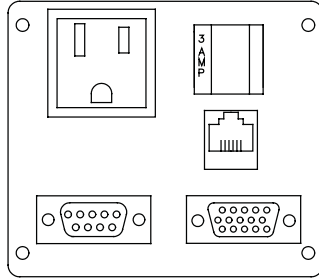


FIG. 52

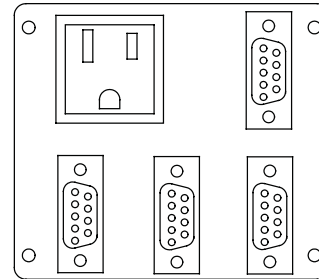


FIG. 53

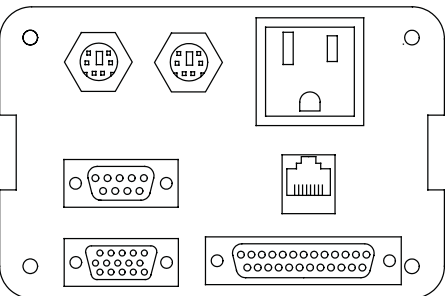


FIG. 54

Internal view of components. All units come in NEMA 4 Housings

GROUND FAULT VERSIONS OF THE P.I.C

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---------------|--|--------------------|
| 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 connectors and a 3 AMP reset in a size 32 housing | GF-6M-R-32 |
| 63.) | GFCI receptacle with an 8 pin “mini-DIN” female connectors 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-Sub’s and a 25 pin D-sub connector in a size 48 housing | GF-2DB9-DB25-48 |

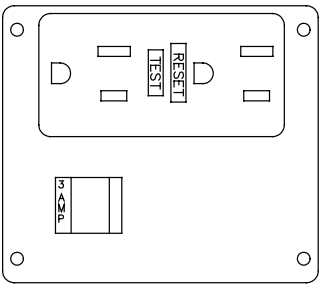


FIG. 55

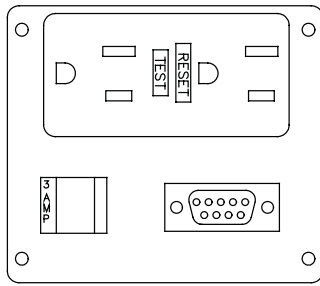


FIG. 56

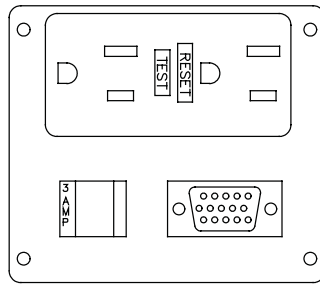


FIG. 57

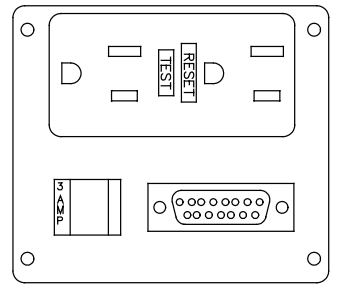


FIG. 58

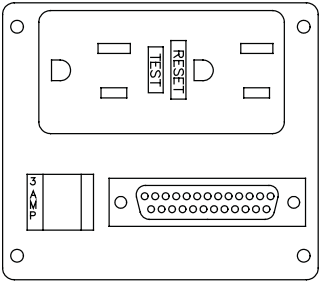


FIG. 59

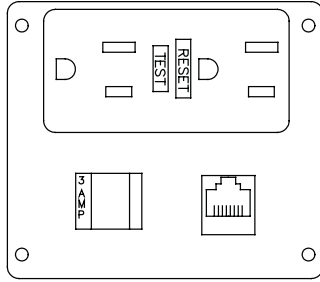


FIG. 60

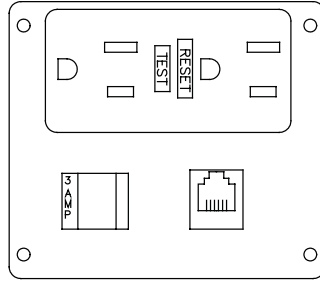


FIG. 61

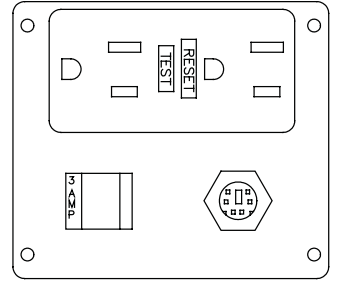


FIG. 62

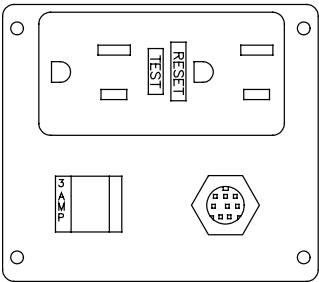


FIG. 63

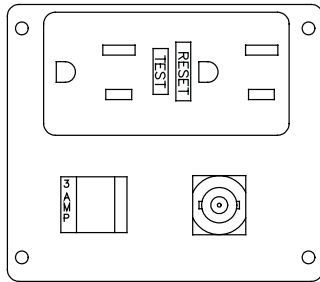


FIG. 64

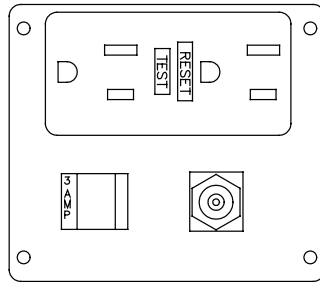


FIG. 65

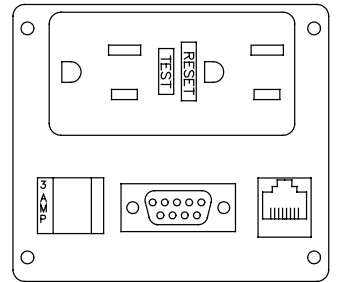


FIG. 66

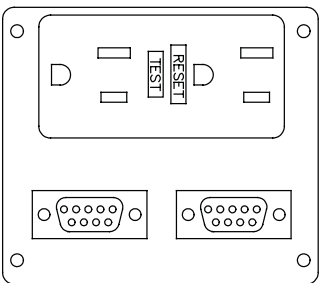


FIG. 67

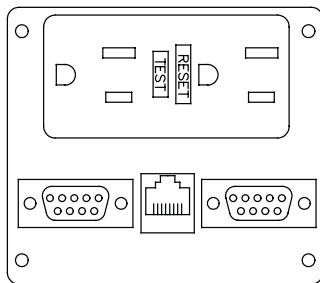


FIG. 68

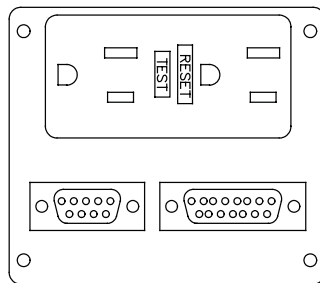


FIG. 69

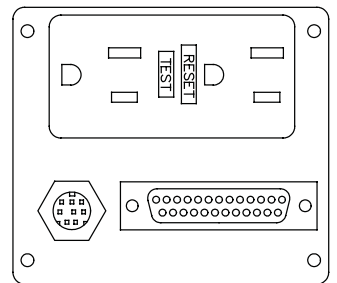


FIG. 70

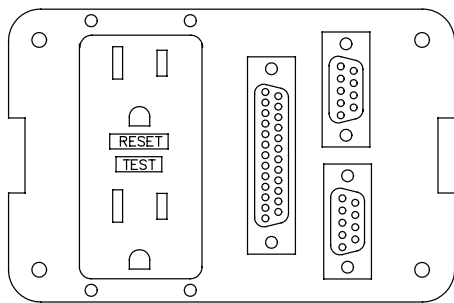


FIG. 71

Internal view of components. All units come in NEMA 4 Housings

DATA HIGHWAY VERSIONS OF THE P.I.C.

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 three pin pluggable terminal block (plug supplied) used on this system. Data Highway panel interface connectors are also available with international style receptacles. See International Version of PIC's.

| <u>FIG.#</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|--------------|--|--------------------|
| 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-sub's 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 thru. The 9 pin connector is for DH/DH+. This is in a size 32 housing. | DHDP-DB9-8M-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-sub's 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 |

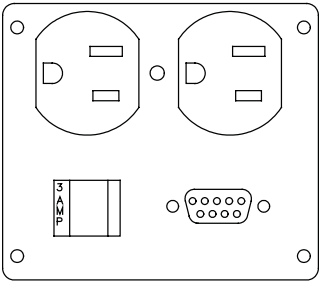


FIG. 72

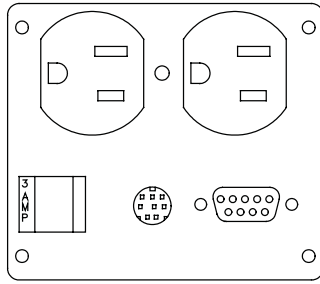


FIG. 73

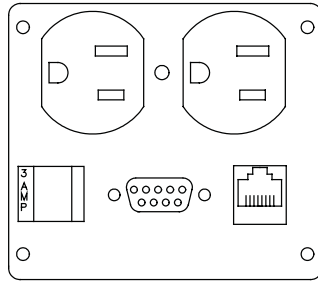


FIG. 74

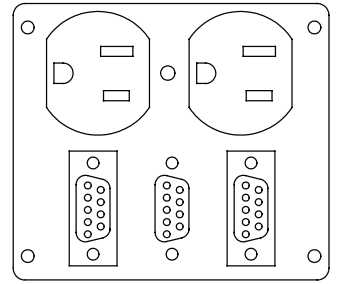


FIG. 75

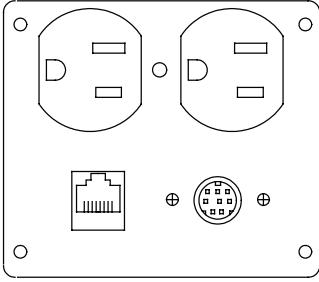


FIG. 76

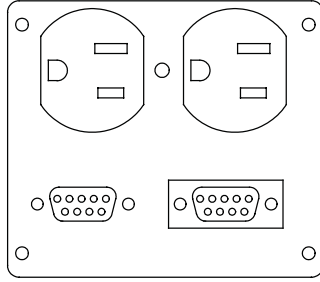


FIG. 77

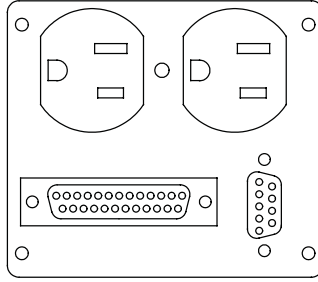


FIG. 78

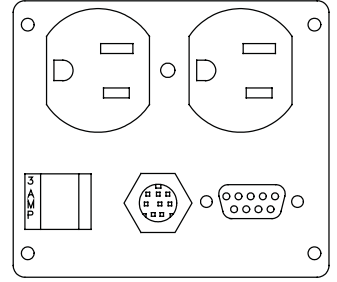


FIG. 79

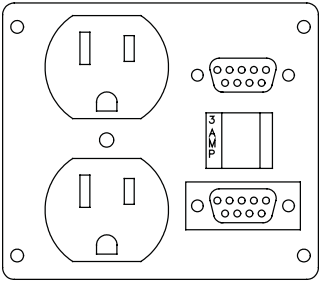


FIG. 80

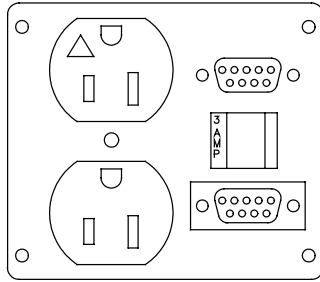


FIG. 81

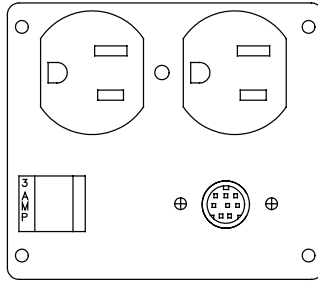


FIG. 82

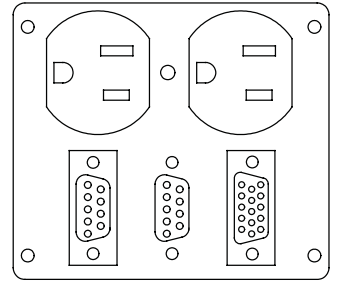


FIG. 83

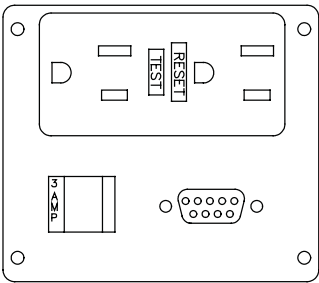


FIG. 84

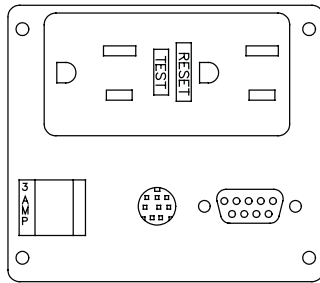


FIG. 85

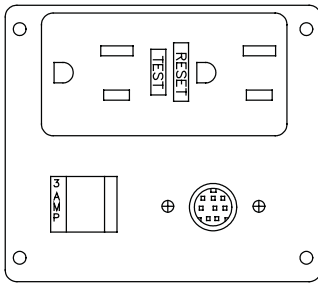


FIG. 86

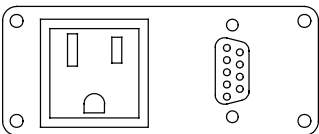


FIG. 87

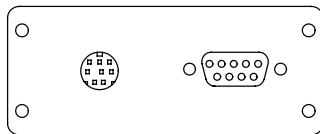


FIG. 88

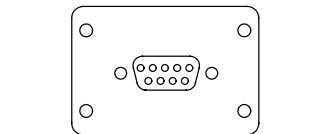


FIG. 89

Internal view of components. All units come in NEMA 4 Housings

DEVICENET VERSIONS OF THE P.I.C

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---------------|--|--------------------|
| 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. | DP-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. | DP-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.

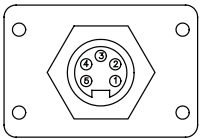


FIG. 90

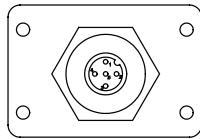


FIG. 91

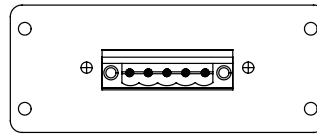


FIG. 92

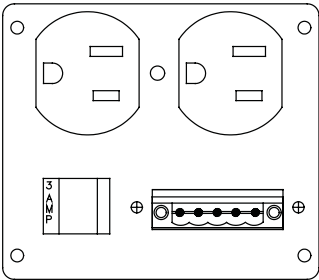


FIG. 93

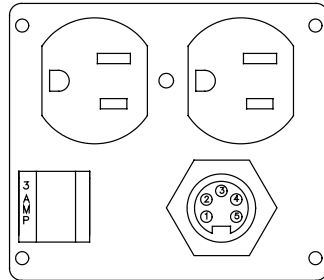


FIG. 94

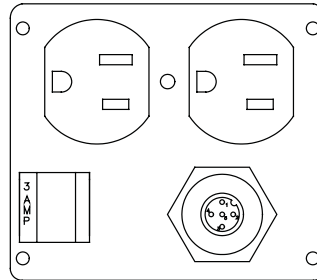


FIG. 95

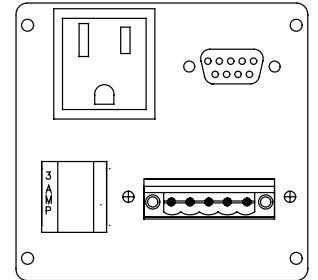


FIG. 96

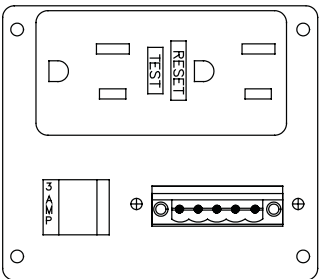


FIG. 97

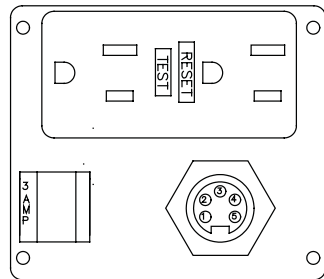


FIG. 98

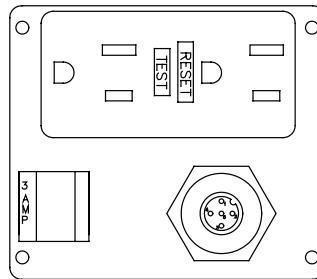


FIG. 99

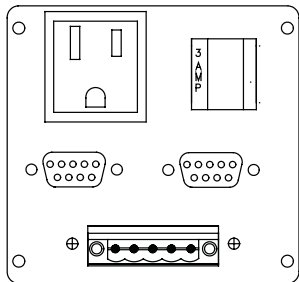


FIG. 100

Internal view of components. All units come in NEMA 4 Housings

INTERNATIONAL VERSIONS OF THE P.I.C.

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---------------|---------------------------------------|--------------------|
|---------------|---------------------------------------|--------------------|

CONTINENTAL EUROPEAN (GERMAN SCHUKO) STYLE RECEPTACLES

| | | |
|-------|---|---------------|
| 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 OF THE P.I.C.

| | | |
|-------|---|------------------|
| 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, 8 pin “mini-DIN” and 3 AMP reset in a 32 housing | DIN-DB9-8M-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 OF THE P.I.C.

| | | |
|-------|--|----------------|
| 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 |

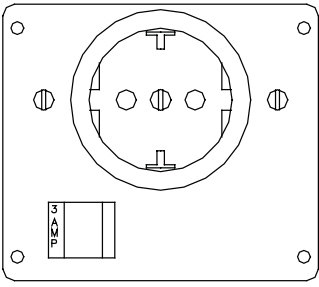


FIG. 101

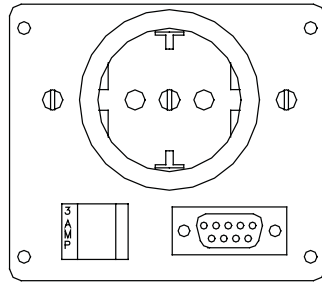


FIG. 102

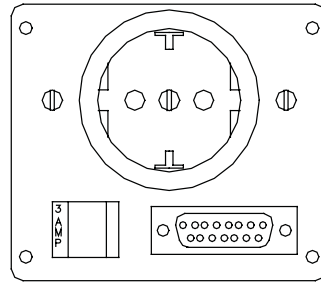


FIG. 103

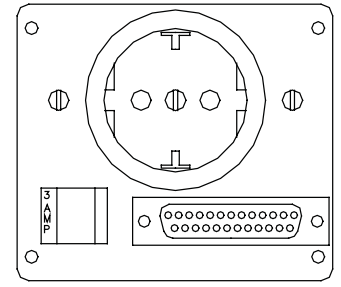


FIG. 104

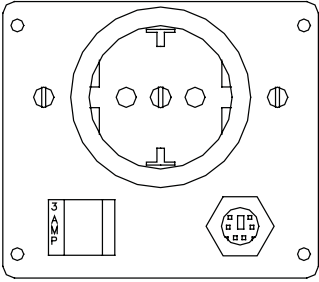


FIG. 105

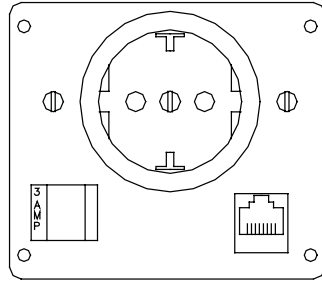


FIG. 106

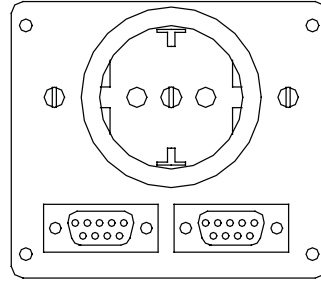


FIG. 107

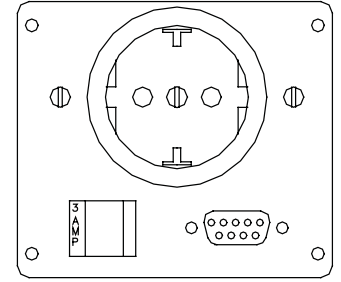


FIG. 108

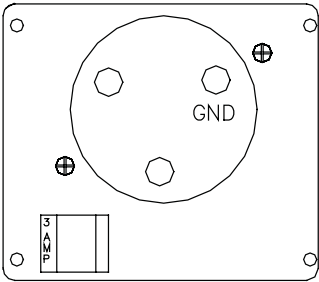


FIG. 109

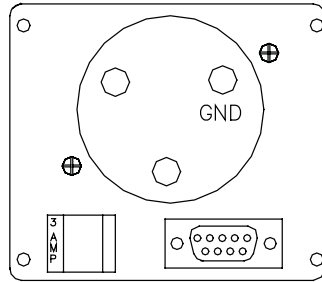


FIG. 110

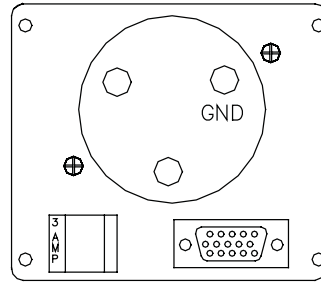


FIG. 111

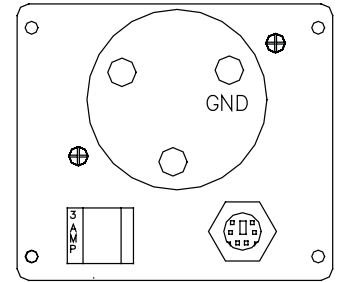


FIG. 112

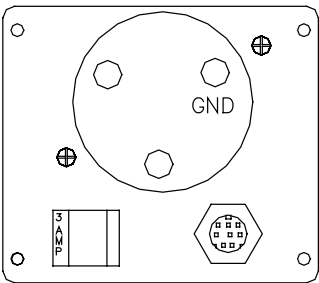


FIG. 113

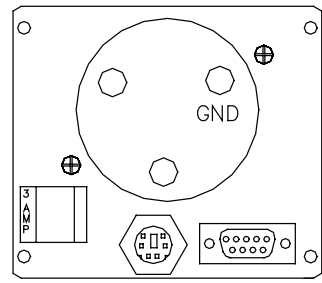


FIG. 114

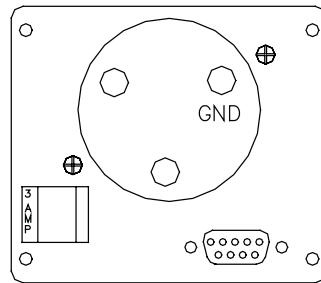


FIG. 115

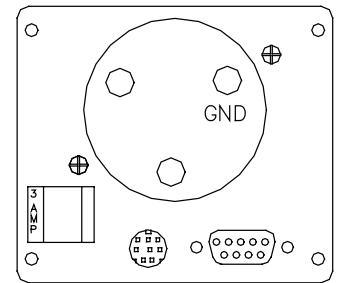


FIG. 116

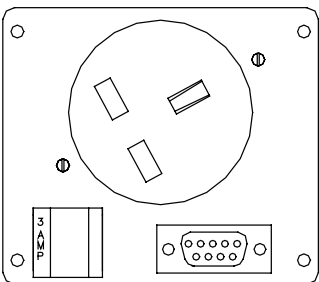


FIG. 117

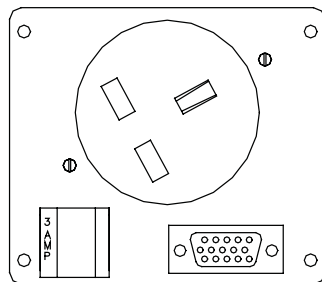


FIG. 118

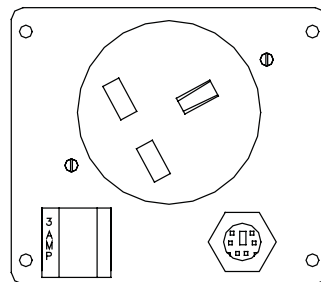


FIG. 119

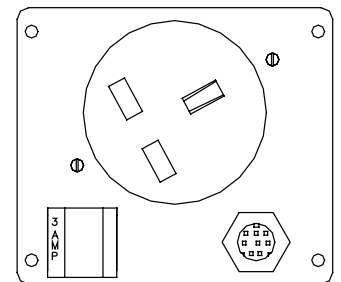


FIG. 120

Internal view of components. All units come in NEMA 4 Housings

INTERNATIONAL VERSIONS OF THE P.I.C. (cont'd)

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---|---|--------------------|
| AUSTRALIAN (AS 3112-1981) VERSIONS OF THE P.I.C. | | |
| 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 RECEPTACLE IS ALSO THE COMMON RECEPTACLE USED IN CHINA.

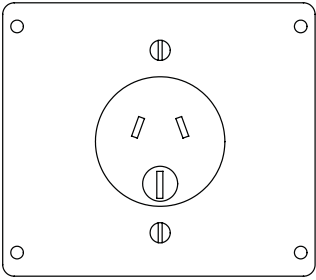


FIG. 121

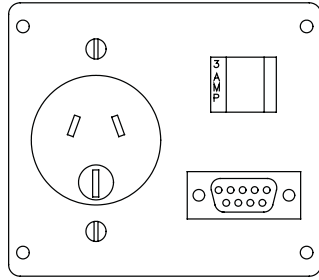


FIG. 122

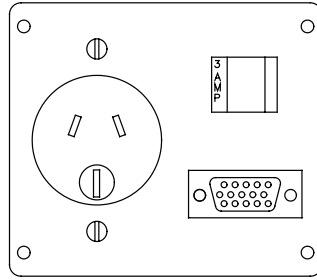


FIG. 123

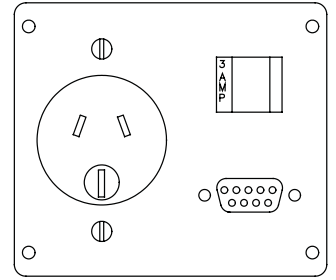


FIG. 124

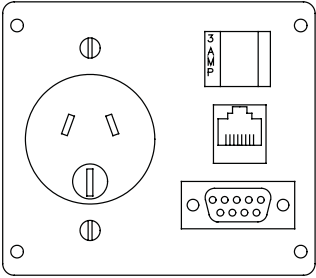


FIG. 124A

Internal view of components. All units come in NEMA 4 Housings

OTHER VERSIONS OF THE P.I.C

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---------------|--|--------------------|
| 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.) | 5 pin circular DIN female connector in a size 06 housing | DA5-06LS |
| 133.) | Two 9 pin D-Subs in a size 10 housing | DB9-2-10LS |
| 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 | DB9-RJ45-10LS |
| 138.) | One 9 pin D-Sub and one 5 pin circular DIN connector in a size 10 housing | DB9-5AT-10LS |
| 139.) | One 6 pin "mini-DIN" and one 5 pin circular DIN connector in a size 10 housing | DM6-5AT-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 | DB9-3-16LS |
| 143.) | One 9 pin D-Sub and two BNC connectors in a size 16 housing | DB9-2BNC-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-DIN's" in a size 16 housing | DB9-6M2-16LS |
| 147.) | One 9 pin D-Sub and two RJ45 connectors in a size 16 housing | DB9-2RJ45-16LS |
| 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 |

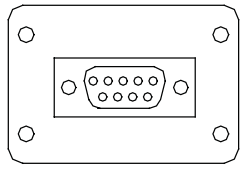


FIG. 125

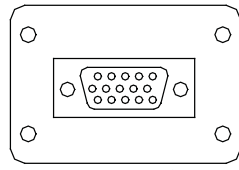


FIG. 126

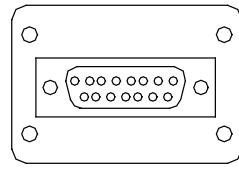


FIG. 127

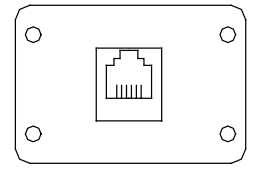


FIG. 128

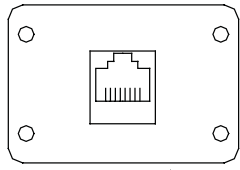


FIG. 129

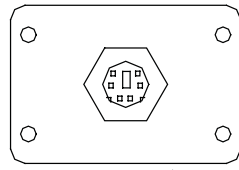


FIG. 130

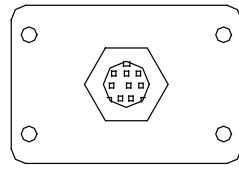


FIG. 131

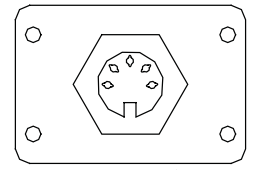


FIG. 132

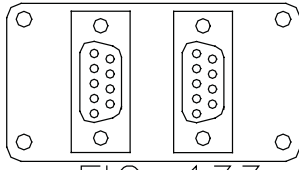


FIG. 133

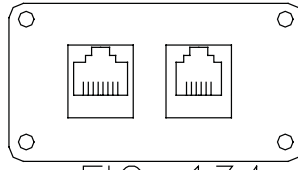


FIG. 134

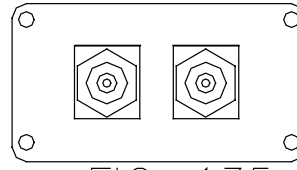


FIG. 135

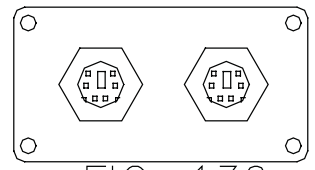


FIG. 136

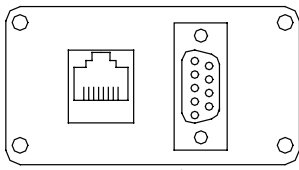


FIG. 137

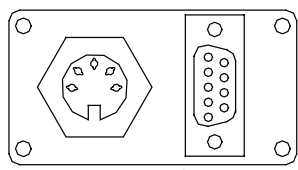


FIG. 138

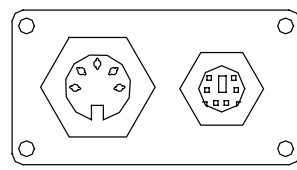


FIG. 139

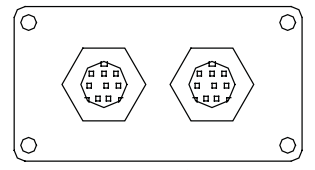


FIG. 140

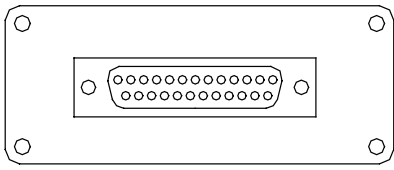


FIG. 141

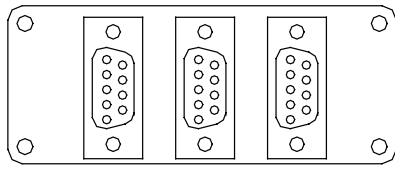


FIG. 142

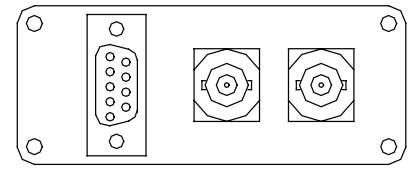


FIG. 143

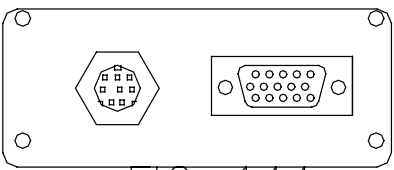


FIG. 144

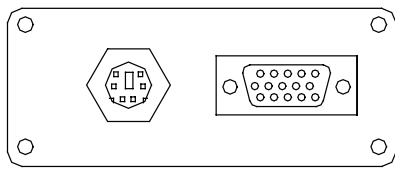


FIG. 145

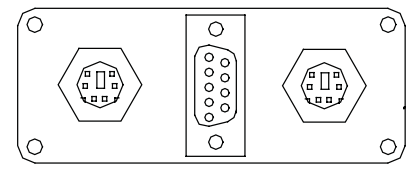


FIG. 146

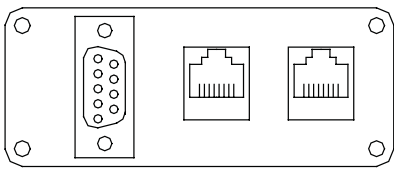


FIG. 147

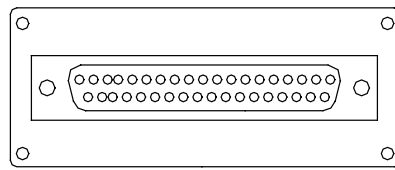


FIG. 148

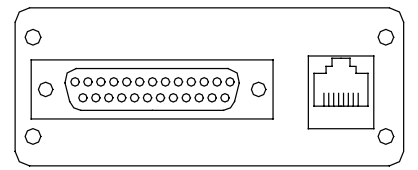


FIG. 149

Internal view of components. All units come in NEMA 4 Housings

OTHER VERSIONS OF THE P.I.C

| <u>FIG. #</u> | <u>DESCRIPTION & HOUSING SIZE</u> | <u>PART NUMBER</u> |
|---------------|--|------------------------|
| 150.) | Four 9 pin D-Sub connectors in a size 24 housing | DB9-4-24LS |
| 151.) | A 9 pin D-Sub, a Hi-density 15 pin D-Sub, and a 5 pin circular DIN connector in a size 24 housing | DB9-DDB15-5AT-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 and a 25 pin D-Sub with a 5 pin circular DIN connector in a size 24 housing | DB9-DB25-5AT-24LS |
| 155.) | A Hi-density 15 pin and a 25 pin D-Sub and one 5 pin circular DIN connector in a size 24 housing | DDB15-DB25-5AT-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-Din's" and an RJ45 connector in a size 32 housing | DB25-6M2-RJ45-32 |
| 158.) | Four 9 pin D-Sub connectors in a size 32housing | DB9-4-32LS |
| 159.) | A 9 pin, Hi-density 15 pin, and a 25 pin D-Subs and an RJ45 connector in a size 32 housing | DB9-DDB15-DB25-RJ45-32 |
| 160.) | Four 9 Pin D-Subs. The three horizontal 9 Pin D-Subs are configured for screw connection, the vertical 9 pin D-Subs is configured for DH/DH+. This is a size 32 housing, designed to be mount 90° counter-clockwise from standard. | DH-DB9-PC3-32 |
| 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.) | Two 25 pin D-Subs and four BNC connectors in a size 48 housing | DB25-2-4BNC-48 |
| 163.) | Three 9 pin D-Subs with a Hi-Density 15 pin, a 15 pin and a 25 pin D-Sub in a size 48 housing. | D-3DB9-DDB15-DB25-48 |
| 164.) | A 9 pin, a Hi-Density 15 pin and a 25 pin D-Sub in a size 48 housing | DB9-DDB15-DB25-48 |
| 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 |

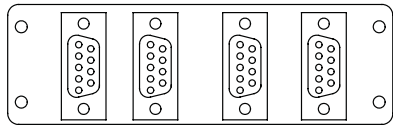


FIG. 150

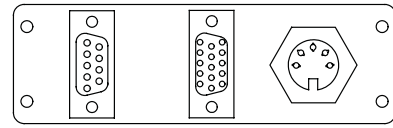


FIG. 151

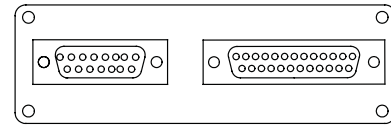


FIG. 152

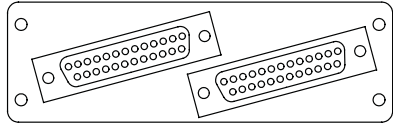


FIG. 153

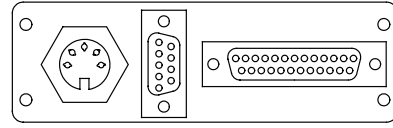


FIG. 154

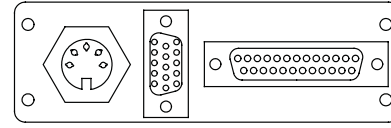


FIG. 155

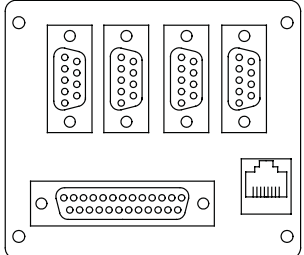


FIG. 156

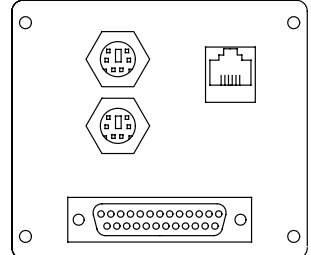


FIG. 157

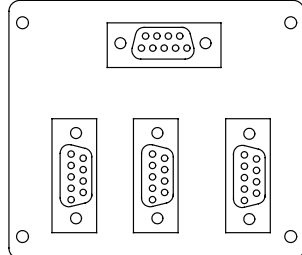


FIG. 158

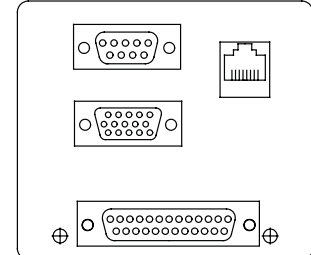


FIG. 159

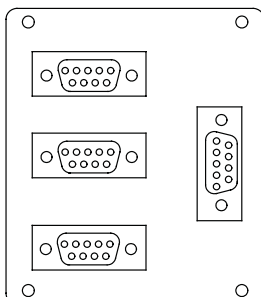


FIG. 160

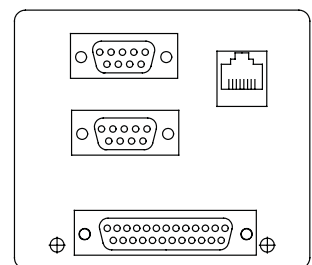


FIG. 161

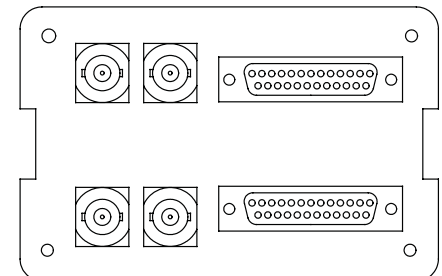


FIG. 162

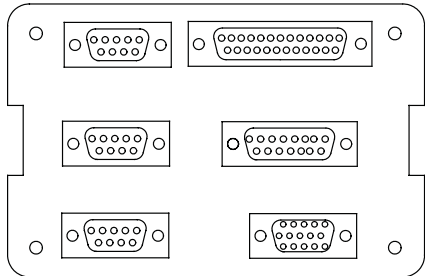


FIG. 163

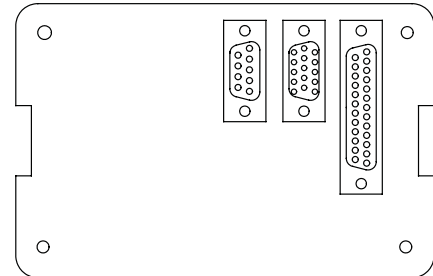


FIG. 164

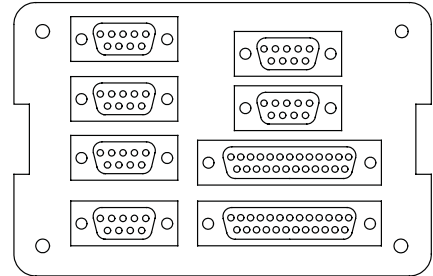
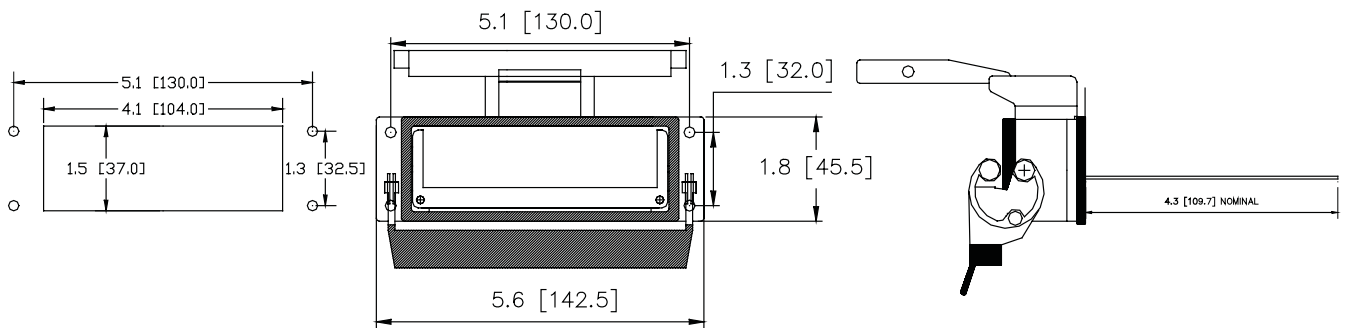


FIG. 165

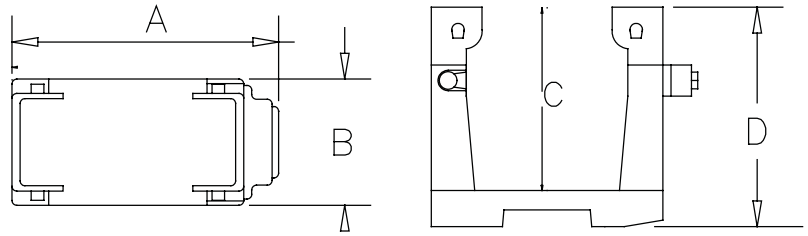
FIG. 166 HOUSING AND BRACKET FOR MOUNTING 3-1/2 BAY DEVICES



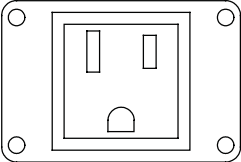
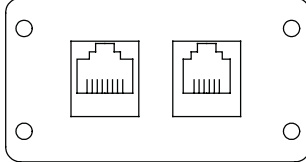
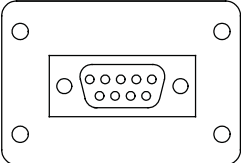
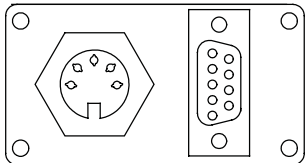
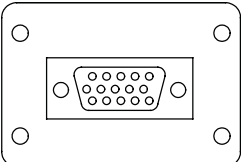
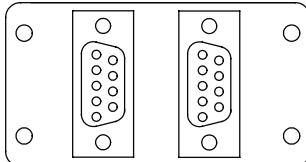
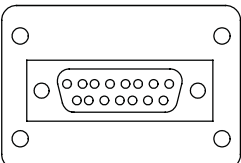
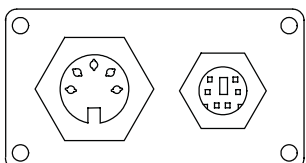
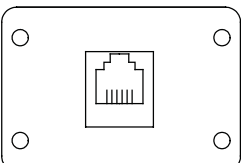
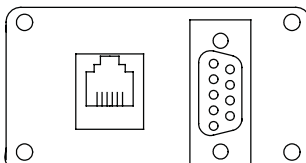
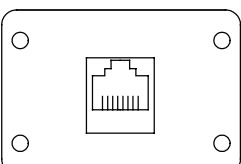
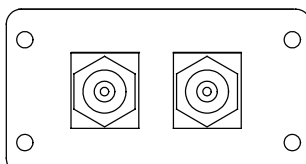
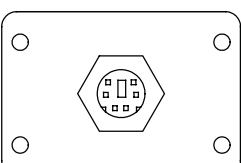
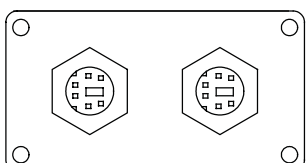
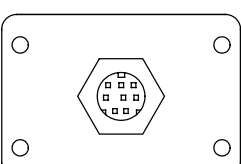
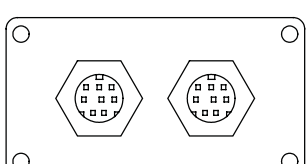
Internal view of components. All units come in NEMA 4 Housings

DIN RAIL MOUNT PIC

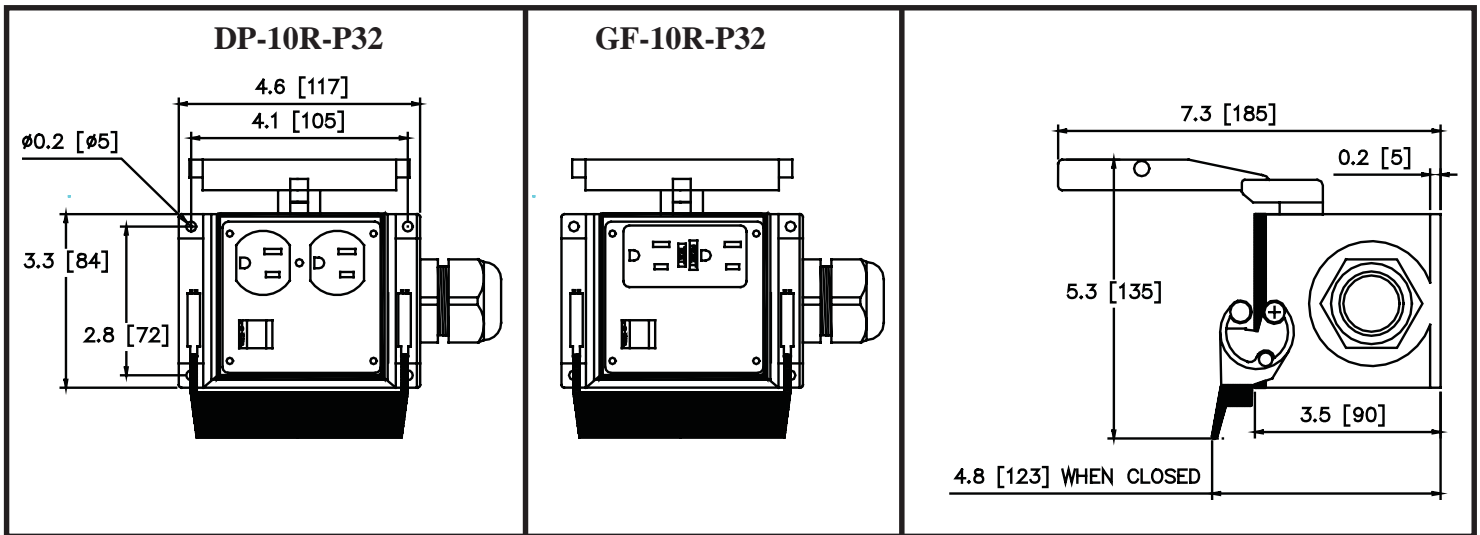
These Panel Interface Products are designed to mount on a DIN 35mm rail. All configurations and connections are relative to the standard panel mount versions.



PANEL INTERFACE CONNECTORS

| 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 |

SURFACE MOUNT STYLE OF PANEL INTERFACE CONNECTORS

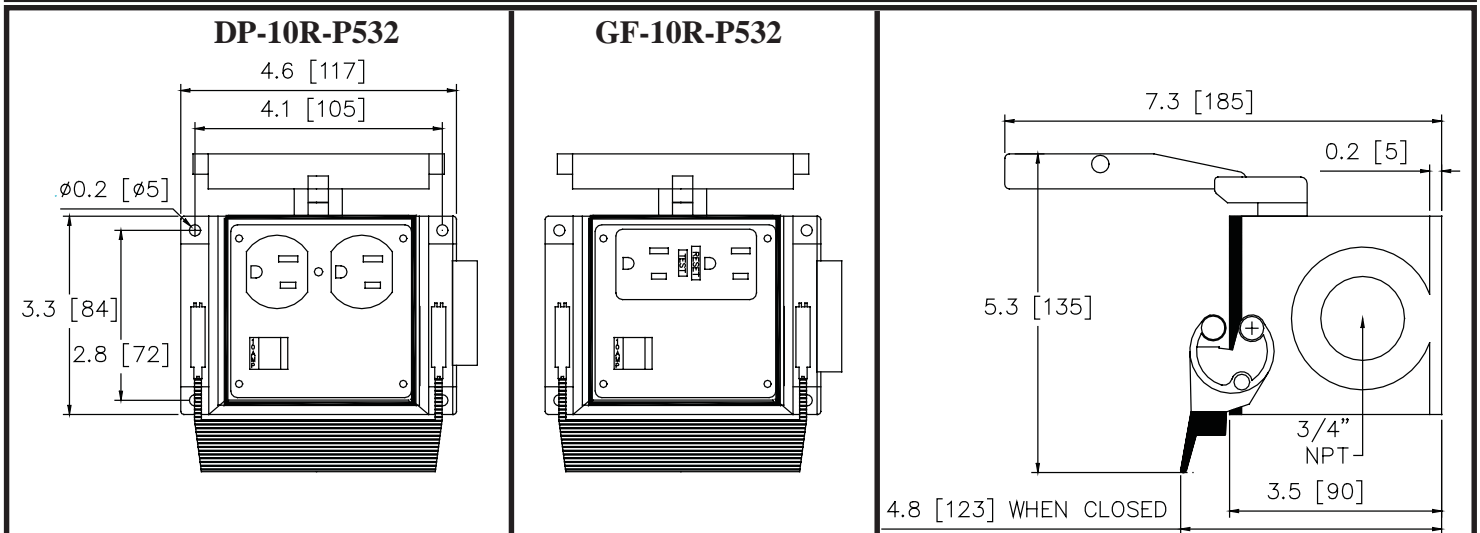


PART NUMBER: DP-10R-P32

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 0.475" to 0.787".



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 SURFACE MOUNT STYLE ARE AVAILABLE; PLEASE CONSULT FACTORY

Complete Ethernet Connection System

Ethernet has become a more popular and accepted method of communication on the industrial plant floor. Mencom now offers a complete connection set that allows use of standard double ended ethernet cables.

| PART NUMBER | |
|-------------|------------|
| RJ45-CKIT | RJ45-CVKIT |
| | |

These units are designed to be used with Mencom RJ45 Patch Cords. Part Numbers:

- RJ45-03 3 foot patch cord
- RJ45-07 7 foot patch cord
- RJ45-10 10 foot patch cord
- RJ45-15 15 foot patch cord

Other lengths available please consult factory

UNIVERSAL SERIAL BUS (USB) VERSION OF THE PANEL INTERFACE CONNECTORS

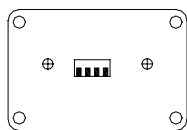


FIG. 182

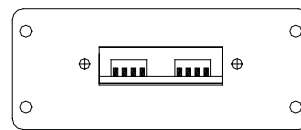


FIG. 183

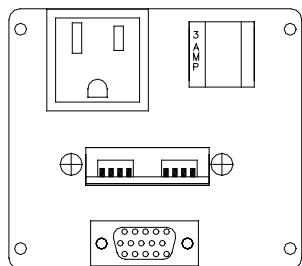


FIG. 184

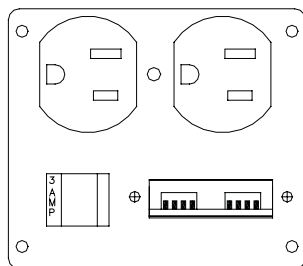


FIG. 185

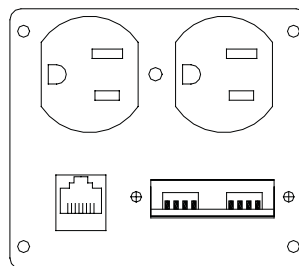


FIG. 186

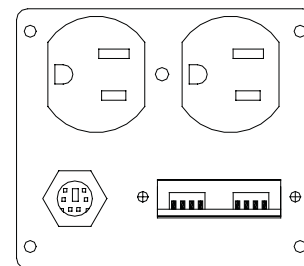


FIG. 187

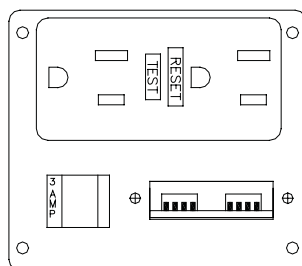


FIG. 188

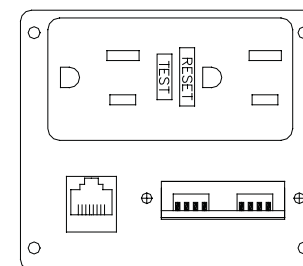


FIG. 189

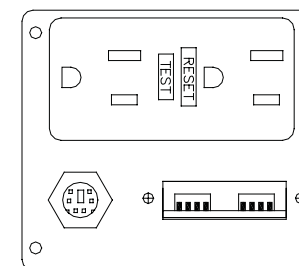


FIG. 190

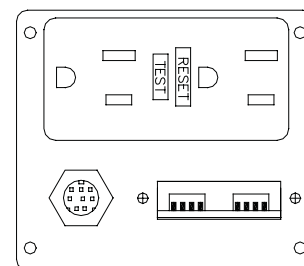
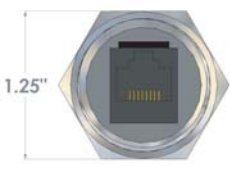
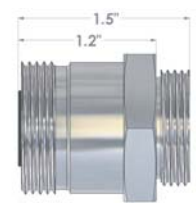
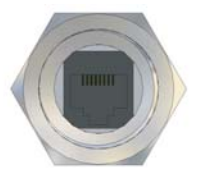


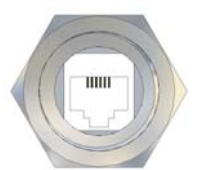
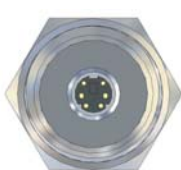

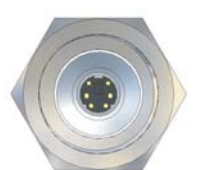
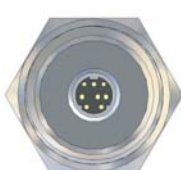

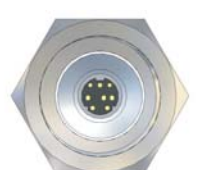






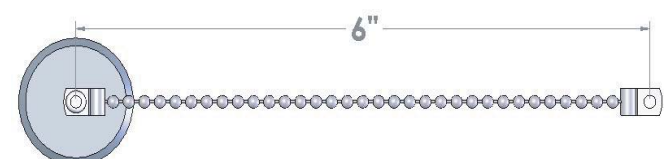


FIG. 191

- | | |
|--|--|
| <p>182.) USB Form A Female with Cable and Form A Male termination. Size 06 Housing 3 Foot Version 6 Foot Version 10 Foot Version</p> | <p>D-USB-3-06LS D-USB-6-06LS D-USB-10-06LS</p> |
| <p>183.) USB (2) connections in a size 16 housing.</p> | <p>D-USB-16LS</p> |
| <p>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.</p> | <p>DP1-DDB15-USB-R-32</p> |
| <p>185.) Duplex receptacle with a USB (2) and a 3 AMP reset in a size 32 housing</p> | <p>DP-USB-R-32</p> |
| <p>186.) Duplex receptacle with a USB (2) and a RJ45 connection is a size 32 housing</p> | <p>DP-USB-RJ45-32</p> |
| <p>187.) Duplex receptacle with a USB (2) and a 6 pin "mini-din" connection in a size 32 housing</p> | <p>DP-USB-6M-32</p> |
| <p>188.) GFCI receptacle with a USB (2) and a 3 AMP reset in a size 32 housing</p> | <p>GF-USB-R-32</p> |
| <p>189.) GFCI receptacle with a USB (2) and a RJ45 connection is a size 32 housing</p> | <p>GF-USB-RJ45-32</p> |
| <p>190.) GFCI receptacle with a USB (2) and a 6 pin "mini-din" connection in a size 32 housing</p> | <p>GF-USB-6M-32</p> |
| <p>191.) GFCI receptacle with a USB (2) and a 8 pin "mini-din" connection in a size 32 housing</p> | <p>GF-USB-8M-32</p> |

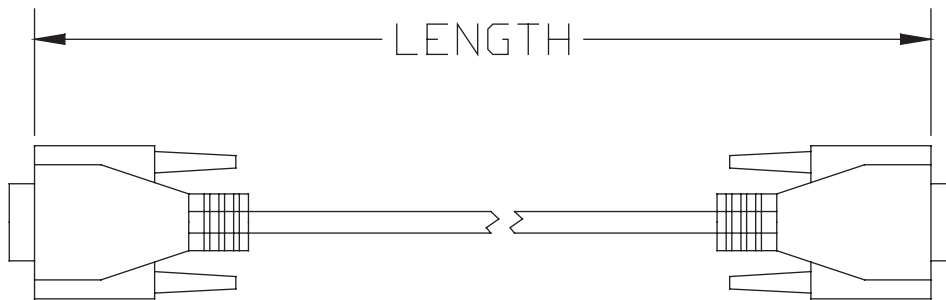
PANEL INTERFACE PORT ADAPTORS

OUR SMALLEST PANEL INTERFACE CONNECTORS ARE IDEAL FOR TIGHT SPACES. THE 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 AVAILABLE, PLEASE CONSULT 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 |  | | |

MALE - FEMALE D-SUBMINIATURE 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 opposing page.



| PART NUMBERS | | | | | |
|---------------|-------------|-------------|-------------|-------------|-------------|
| LENGTH (FEET) | 6 | 10 | 20 | 30 | 40 |
| DB09 | DB09-MFP-06 | DB09-MFP-10 | DB09-MFP-20 | DB09-MFP-30 | DB09-MFP-40 |
| DB25 | DB25-MFP-06 | DB25-MFP-10 | DB25-MFP-20 | DB25-MFP-30 | DB25-MFP-40 |
| DB37 | DB37-MFP-06 | DB37-MFP-10 | DB37-MFP-20 | N/A | N/A |

| COLOR CODES | | | | | | | | | | | |
|-------------|------------|-------------|-------------|-------|------------|-------------|------------|-------|------------|-------|-------------|
| DB09 CABLES | | DB25 CABLES | | | | DB37 CABLES | | | | | |
| PIN # | WIRE COLOR | PIN # | WIRE COLOR | PIN # | WIRE COLOR | PIN # | WIRE COLOR | PIN # | WIRE COLOR | PIN # | WIRE COLOR |
| 1 | BLACK | 1 | BLACK | 14 | GREEN | 1 | WHITE | 14 | WHITE/GRAY | 27 | YELLOW/BLUE |
| 2 | BROWN | 2 | BLACK/WHT | 15 | GREEN/BLK | 2 | GRAY/PINK | 15 | VIOLET | 28 | YELLOW/GRAY |
| 3 | RED | 3 | BROWN | 16 | GREEN/WHT | 3 | GREEN | 16 | GRAY/BRN | 29 | GREEN/RED |
| 4 | ORANGE | 4 | BROWN/WHT | 17 | BLUE | 4 | RED/BLUE | 17 | WHITE/PINK | 30 | PINK/GRN |
| 5 | YELLOW | 5 | RED | 18 | BLUE/WHT | 5 | YELLOW | 18 | WHITE/RED | 31 | YELLOW/RED |
| 6 | GREEN | 6 | RED/BLK | 19 | VIOLET | 6 | WHITE/GRN | 19 | PINK/BRN | 32 | YELLOW/PINK |
| 7 | BLUE | 7 | RED/WHT | 20 | VIOLET/WHT | 7 | GRAY | 20 | BROWN/RED | 33 | GREEN/BLK |
| 8 | VIOLET | 8 | ORANGE/BLK | 21 | GRAY | 8 | BROWN/GRN | 21 | WHITE/BLUE | 34 | BROWN |
| 9 | WHITE | 9 | ORANGE | 22 | GRAY/BLK | 9 | PINK | 22 | WHITE/BLK | 35 | BROWN/WHT |
| | | 10 | ORANGE/WHT | 23 | PINK | 10 | WHITE/YEL | 23 | BROWN/BLUE | 36 | BLUE |
| | | 11 | YELLOW | 24 | PINK/BLK | 11 | RED | 24 | BROWN/BLK | 37 | BLUE/WHT |
| | | 12 | YELLOW/BLK | 25 | WHITE | 12 | YELLOW/BRN | 25 | GREEN/BLUE | | |
| | | 13 | LIGHT GREEN | | | 13 | BLACK | 26 | GRAY/GRN | | |

SPECIFICATIONS:

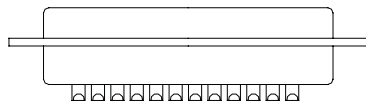
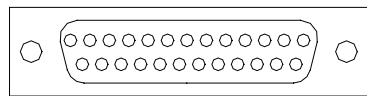
CABLE JACKET: PVC
 OVERMOLD: PVC
 CABLE: 24 & 20AWG WITH FOIL SHIELD WITH 20AWG DRAIN WIRE.
 LAST FOUR WIRES ARE 20AWG.

D-SUBMINIATURE ACCESSORIES

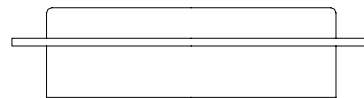
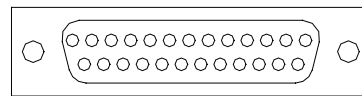
| | D-SUB INSERTS | | | | |
|-------------------|---------------|---------|-----------------|---------|---------|
| | 9 PIN | 15 PIN | HI-DENSITY DB15 | 25 PIN | 37 PIN |
| MALE SOLDER CUP | DB09MSC | DB15MSC | DDB15MSC | DB25MSC | DB37MSC |
| FEMALE SOLDER CUP | DB09FSC | DB15FSC | DDB15FSC | DB25FSC | DB37FSC |
| MALE CRIMP | DB09MCR | DB15MCR | DDB15MCR | DB25MCR | DB27MCR |
| FEMALE CRIMP | DB09FCR | DB15FCR | DDB15FCR | DB25FCR | DB37FCR |

CRIMP PINS: FEMALE: DBFCP
 MALE: DBMCP

SOLDER CUP

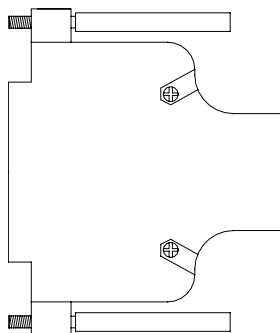


CRIMP STYLE

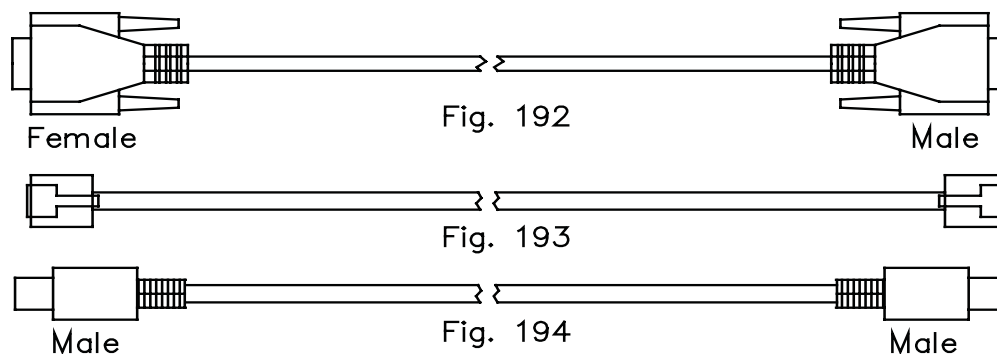


| | D-SUB SHELLS | | | |
|---------|---------------|---------------|---------------|---------------|
| | 9 PIN | 15 PIN | 25 PIN | 37 PIN |
| METAL | DB09-SHELL | DB15-SHELL | DB25-SHELL | DB37-SHELL |
| PLASTIC | DB09-SHELL-PA | DB15-SHELL-PA | DB25-SHELL-PA | DB37-SHELL-PA |

THUMB SCREWS INCLUDED WITH SHELLS.



PANEL INTERFACE EXTENTION CABLES



| INSTALLATION CABLE PART NUMBERS | | | | | | |
|---------------------------------|---------------|-------------|-------------|---------|-------------|---------|
| CONNECTOR TYPE | FIGURE NUMBER | 3FT | 6FT | 7FT | 10FT | 14FT |
| 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 |

PANEL INTERFACE SPECIALTY EXTENSION CABLES

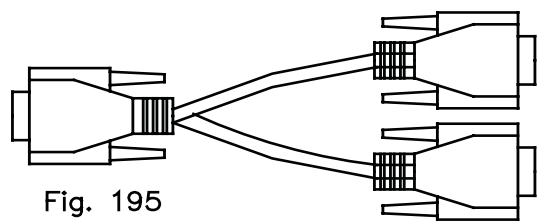


Fig. 195

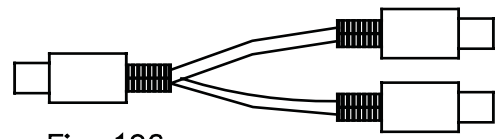
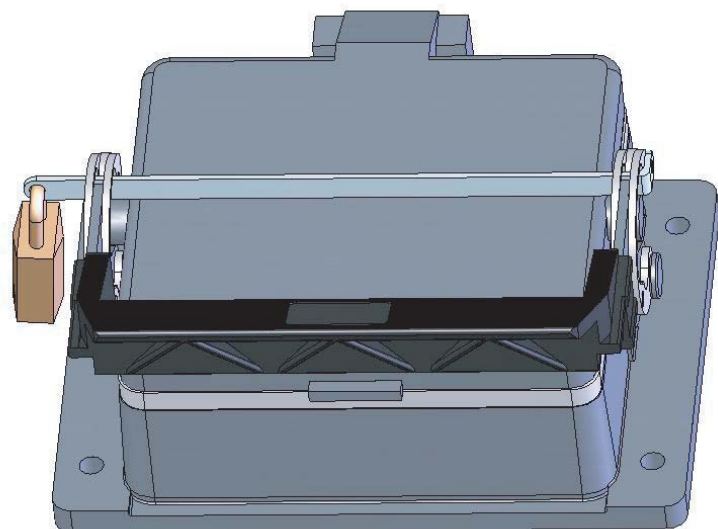


Fig. 196

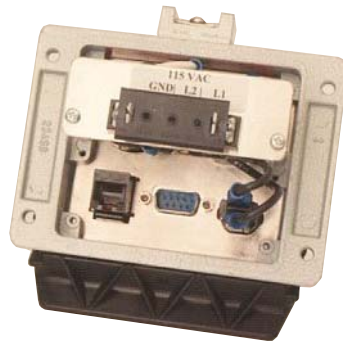
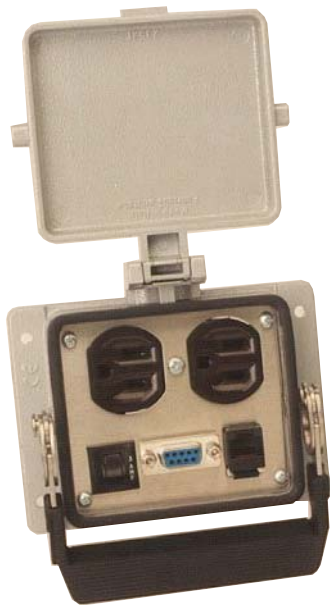
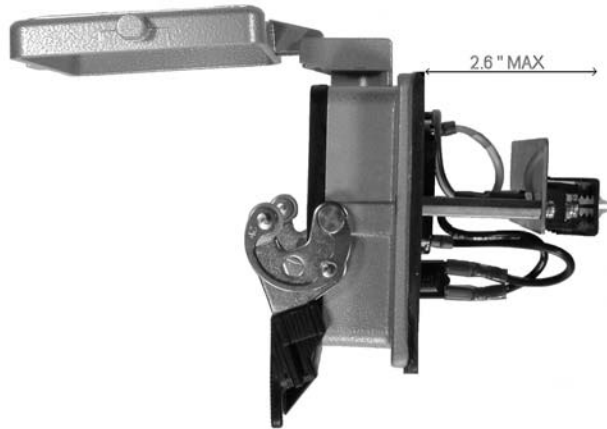
| SPECIALTY INSTALLATION CABLE PART NUMBERS | | | | | |
|---|---------------|----------------------------------|------------------------------------|--------|--------------------------------------|
| PART NUMBER | FIGURE NUMBER | CONNECTION TYPE IN | CONNECTION TYPE OUT | LENGTH | NOTES |
| DB09-F2M-1 | 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



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.

PART NUMBER: D-PIC-LOCK



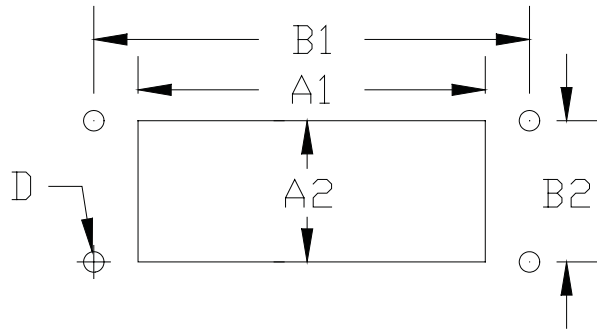
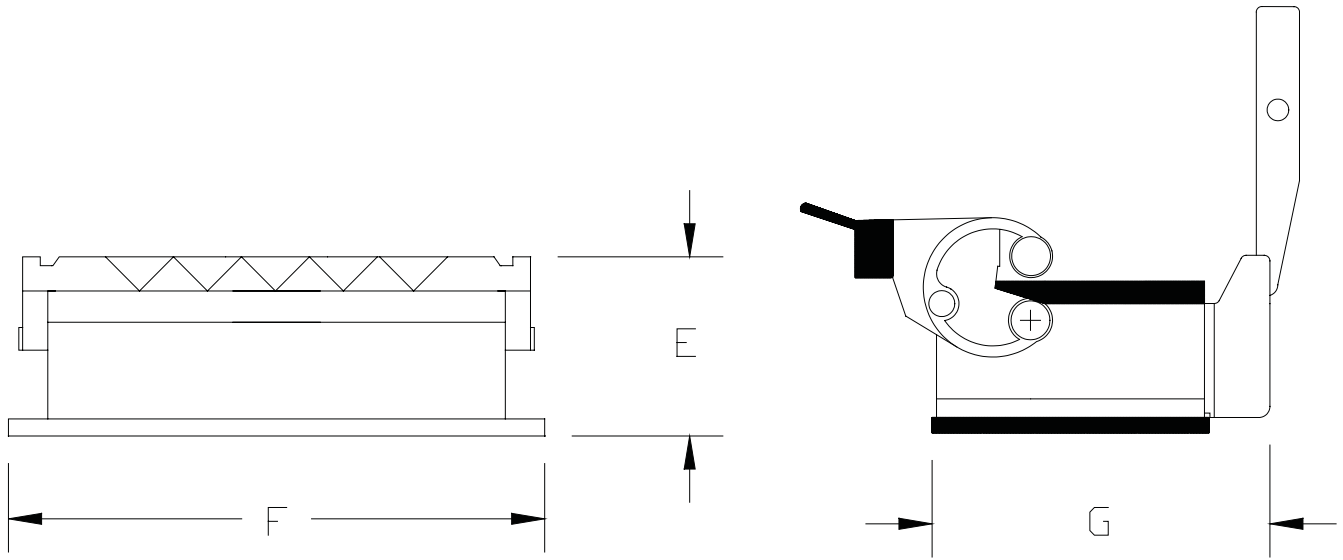
NOTES:

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 protocol's used for communication. Currently our offering for USB connections is limited 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 contact us at: tech@mencomcorp.com or 770-534-4585.

HOUSING DIMENSIONS



| 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" |

