

SPECIAL FACTORY CONFIGURATION

OPTICAL COMMUNICATION MODEM MODEL #OCM-MDP-13-P-D-ST-24V (SERIAL NO. HAVE BEEN SPECIALLY CONFIGURED AT THE FACTORY TO PROVIDE SPECIAL PACKAGING. SPECIFICATIONS DETAILING THE SPECIAL PACKAGING ARE GIVEN BELOW, ALL OTHER SPECIFICATIONS ARE GIVEN IN THE ATTACHED USERS MANUAL.

PACKAGING...

A MECHANICAL DRAWING DETAILING PACKAGING AND MOUNTING SPECIFICATIONS IS ATTACHED.

24VDC INPUT POWER...

P1 BARRIER STRIP PIN DESIGNATION	SIGNAL NAME (PIN DEFINITION)
+24V	+24VDC
-24V	24VDC Reference
G-GND	CHASSIS GROUND

24VDC INPUT POWER BARRIER STRIP PIN DEFINITIONS

DIAGNOSTIC OUTPUT CONNECTOR DEFINITION (AVAILABLE WITH "-D" OPTION ONLY) ...

THE DIAGNOSTIC OUTPUT INTERFACE IS PROVIDED ON THE BOTTOM OF THE OCM ENCLOSURE (SEE CONNECTOR DESIGNATIONS J2 AND J3 IN ATTACHED FIGURE).

OCM TERMINAL BARRIER STRIP DESIGNATIONS ARE THE FOLLOWING:

J2/J3 CONNECTOR
PIN #

DC POWER/
DIAGNOSTIC OUTPUT
SIGNAL NAME

J2/1	CHANNEL A IMPENDING FAULT DETECT (IFD)
J2/2	SIGNAL GROUND (IFD/ERR REFERENCE GND)
J2/3	CHANNEL A COMMUNICATION ERROR (ERR)
J2/4	CHASSIS GROUND
J2/5	PRIMARY +5VDC (PRIMARY INPUT POWER)
J2/6	PRIMARY COM (PRIMARY INPUT PWR COMMON)
J2/7	PRIMARY +12VDC (PRIMARY INPUT POWER)
J2/8	PRIMARY -12VDC (PRIMARY INPUT POWER)
J3/1	ISOLATED +VDC (DIAGNOSTIC INPUT POWER)
J3/2	ISOLATED -VDC (SIGNAL GROUND)
J3/3	CHANNEL B IMPENDING FAULT DETECT (IFD)
J3/4	SIGNAL GROUND (IFD/ERR REFERENCE GND)
J3/5	CHANNEL B COMMUNICATION ERROR (ERR)
J3/6	CHANNEL A RECEIVE SIGNAL STRENGTH (RSS)
J3/7	CH A/B RSS RETURN
J3/8	CHANNEL B RECEIVE SIGNAL STRENGTH (RSS)

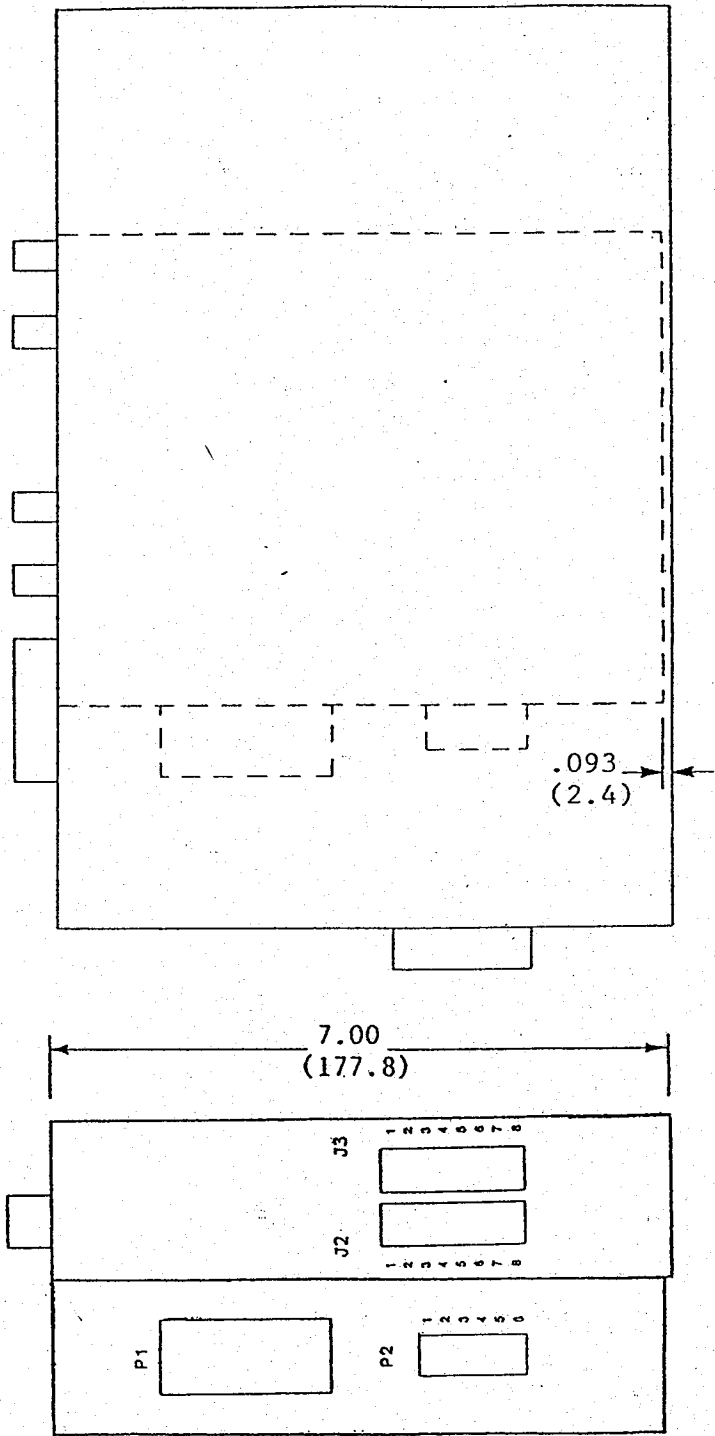
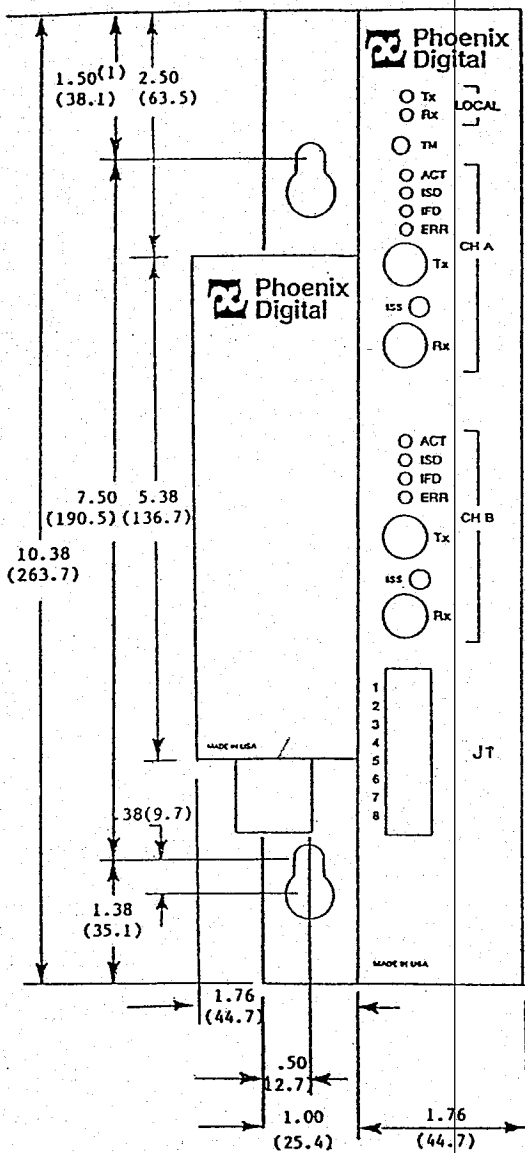
OCM DC POWER/DIAGNOSTIC OUTPUT PIN DEFINITIONS

INTERFACE...

J1 CONNECTOR PIN NUMBERS ⁽¹⁾	MODBUS PLUS SIGNAL NAME
1	SERIAL 1 ^(2,3)
2	SERIAL 2 ^(2,3)
3	SHEILD IN
4	N/C
5	N/C
6	SERIAL 1 ^(2,3)
7	SERIAL 2 ^(2,3)
8	SHEILD OUT

OCM-MDP DEVICE INTERFACE PIN DEFINITIONS

- (1) ORIENTATION – TOP TO BOTTOM ON FRONT OF MODEM (PINS 1 THRU 8 RESPECTIVELY).
- (2) EACH END OF THE ELECTRICAL MODBUS PLUS NETWORK MUST BE TERMINATED WITH A RESISTOR (120 OHM RESISTOR SUPPLIED WITH EACH OCM). IF THE OCM IS LOCATED ON EITHER END OF THE BUS THEN THIS RESISTOR MUST BE CONNECTED ACROSS SERIAL 1 AND SERIAL 2 ON THE OCM BARRIER STRIP. IF IT IS NOT ON THE END OF THE ELECTRICAL BUS THEN THE OCM SHOULD NOT BE TERMINATED.
- (3) ALL MODBUS PLUS DEVICES ON THE HARDWIRED MODBUS PLUS NETWORK MUST BE INTERCONNECTED SERIAL 1 TO SERIAL1, SERIAL 2 TO SERIAL 2.



(1) ALL DIMENSIONS SHOWN IN INCHES (MILLIMETERS) ± 2%

OCM MOUNTING SPECIFICATION