

D/A (DIGITAL-TO-ANALOG) CONVERTER SPECIFICATIONS

DESCRIPTION

The D/A (digital-to-analog) converter module is used along with the E-Mon D-Mon[®] Class 2000 meter(s) to interface with analog meters, chart recorders, meter relays, and programmable controllers.

D/A CONVERTER SPECIFICATIONS

Input Voltage:	120 VAC, 60 Hz
Available Outputs:	0-10 volts dc (at 10 mA maximum) 0-1 mA (into load of 0-10K ohms) 4-20 mA (into load of 0-250K ohms)
Operating Temperature:	0 degrees C to 60 degrees C
Dimensions:	6 3/4" H x 3 3/4" W x 3 1/4" D



ORDERING INFORMATION

When ordering, state model number of the E-Mon D-Mon meter that will be used with the D/A converter. (e.g., 208200 KIT, 480400D KIT)

State output required from D/A converter (choose one):

- 0-10 Vdc
- 0-1 mA
- 4-20 mA

D/A (Digital to Analog) CONVERTER INSTALLATION

The D/A (Digital to Analog) converter module is used along with the E-Mon meter(s) to interface with analog meters, chart recorders, meter relays, and programmable controllers. The D/A converter is very easy to install:

STEP ONE: Mount the D/A converter adjacent to the E-Mon meter using the 4 holes on the panel.

STEP TWO: Plug the D/A converter into a standard duplex receptacle (or equivalent) rated at 120 volts, 60 Hz, AC.

STEP THREE: Plug the modular phone plug into the modular jack located in the E-Mon meter above the terminal strip.

STEP FOUR: Connect the output from the D/A converter to your analog meter, chart recorder, etc...making sure the output from the converter meets your signal requirements (0-10 VDC, 0-1 MA, or 4-20 MA.) The center tap on the RCA jack is the "+" signal. The output is proportional to the 0-100% load on the meter, i.e. if the 0-10 VDC signal is 6.5 volts, then the meter is reading 65% load.

The value at 100% load is determined from the following chart:

Amps	208V Meter	480V Meter
25	9 KW	20.8 KW
50	18 KW	41.6 KW
100	36 KW	83.1 KW
200	72 KW	166.3 KW
400	144 KW	332.5 KW
800	288 KW	665.0 KW
1600	288 KW	1330.0 KW

