

P3 PULSER

TECHNICAL SPECIFICATIONS

E-Mon D-Mon

Energy Monitoring Products & Systems

Description

The E-Mon D-Mon[®] P3 Pulser is an optically coupled interface device that allows E-Mon D-Mon Class 1000 & 2000 kWh and kWh/Demand meters to be connected to an energy management (EMS) or Building Automation System (BAS) for data-gathering and/or load control. The pulse width and value are selected by 2 DIP switches, and can be tailored to fit your specific requirements in the field. A modular plug connects the pulser to the E-Mon D-Mon meter; a two-screw terminal provides easy connection to the EMS/BAS. A LED on the pulser shows the rate and duration of the pulse. The pulser has an operating range of 1.5 to 36 volts AC or DC (supplied by the EMS/BAS).



Application

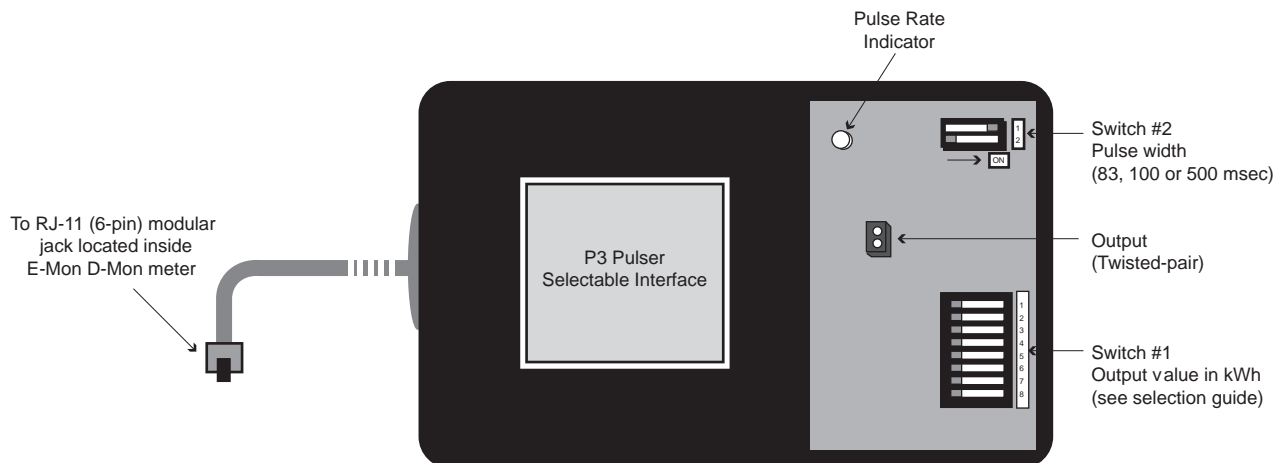
Pulser data to the EMS can be used for:

Tenant billing, based on both kilowatt-hour and kilowatt demand information from the E-Mon D-Mon meters through the pulsers.

"Real-time" demand reading, allowing the user to see the effects of loads as they come on- or off-line.

Automatic load shedding/limiting by the EMS to lower energy usage and costs.

Features



E-Mon[®]
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Type:	Optically coupled, normally open electronic switch (input completely isolated from output)
Pulse Indicator:	LED
Temp. Range:	-20 degrees C to +50 degrees C
Output:	Solid-state switch, N.O. contact equivalent
Dimensions:	3.7" L x 2.3" W x 1" H
Max On Resistance:	2.5 ohms
Min. Off Impedance:	100K ohms
Pulse Rate:	DIP switch selectable (see DIP switch selection guide below)
Pulse Width:	83, 100 or 500 milliseconds, DIP switch selectable



CUSTOMER-SUPPLIED INTERFACE SPECIFICATIONS

Interface Voltage:	1.5 to 36 volts AC or DC
Max. Interface Current:	500 mA (milliamps)

DIP SWITCH SELECTION GUIDE (pulse value in kilowatt-hours)

Selector ON → Position	25A	50A	100A	200A	400A	800A	1600A	3200A
	1	1	2	4	8	16	32	64
2	.5	1	2	4	8	16	32	64
3	.25	.5	1	2	4	8	16	32
4	.125	.25	.5	1	2	4	8	16
5	.0625	.125	.25	.5	1	2	4	8
6	.03125	.0625	.125	.25	.5	1	2	4
7	.015625	.03125	.0625	.125	.25	.5	1	2
8	.0078125	.015625	.03125	.0625	.125	.25	.5	1

TYPICAL WIRING DIAGRAM

