

# P2 PULSER

## TECHNICAL SPECIFICATIONS

### Description

The E-Mon D-Mon<sup>®</sup> P2 Pulser is an optically/coupled interface device that allows the Class 2000 kWh or kWh/Demand meter to be connected to an energy/building management system (EMS) for the purpose of data-gathering and/or load control. The pulse width and value are selected using 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. A LED on the pulser shows the rate and duration of the pulse. The pulser has an operating range of 4.5 to 28 volts dc (supplied by the EMS).



### Application

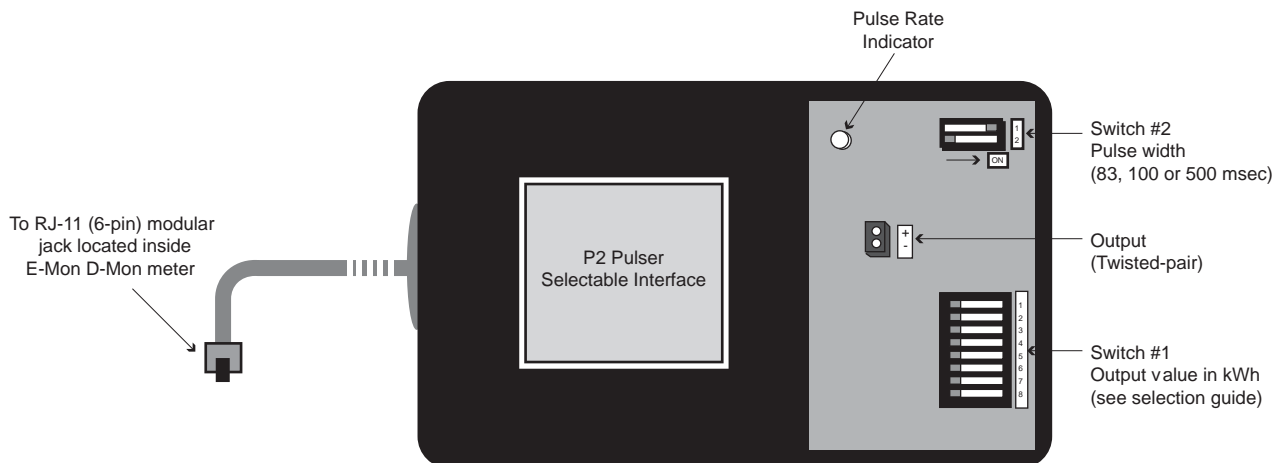
Pulser data to the EMS can be used for:

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



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Type: Optically coupled open-collector current sink transistor (input completely isolated from output)

Pulse Indicator: LED

Temp. Range: -20 degrees C to +50 degrees C

Output: Solid-state switch, N.O. (current sink transistor)

Dimensions: 3.7" L x 2.3" W x 1" H

Max On Voltage: 0.8 volts

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: +4.5 to +28 volts dc

Max. Interface Current: 100 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

