

SUB Series P3 Pulser

SPECIFICATION DATA



APPLICATION

While the Honeywell Submeters with pulse output are already compatible with many controllers, including Jace I/O modules, the P3 pulser can help with compatibility if used with other types of Building Automation Systems that are not already compatible. 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 Honeywell 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).

Pulser data to the EMS can be used for:

- Tenant billing, based on both kilowatt-hour and kilowatt demand information from the Honeywell meters through the pulsers.
- “Real-time” demand reading, allowing the user to see the effects of loads as they come on- or offline.
- Automatic load shedding/limiting by the EMS to lower energy usage and costs.

SPECIFICATIONS

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

Interface Voltage: 1.5 to 36 volts AC or DC

Max. Interface Current: 500 mA (milliamps)

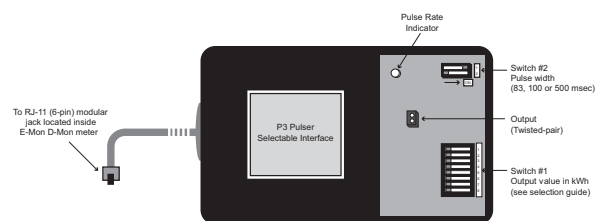


Fig.1. P3 Pulser



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Table 1. 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	128
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

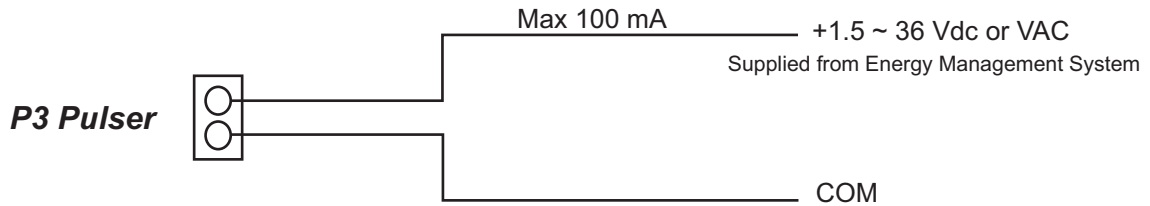


Fig. 2. Typical Wiring Diagram

Note: Acceptable for use on meter models with date code earlier than 1202

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Automation and Control Solutions
 Honeywell International Inc.
 1985 Douglas Drive North
 Golden Valley, MN 55422

