

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)

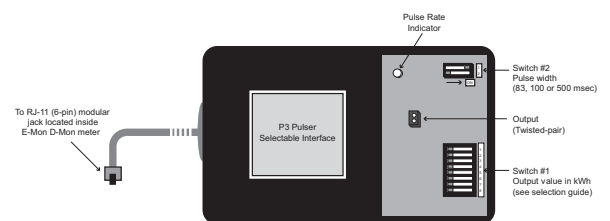


Fig.1. P3 Pulser



63-1357-02

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

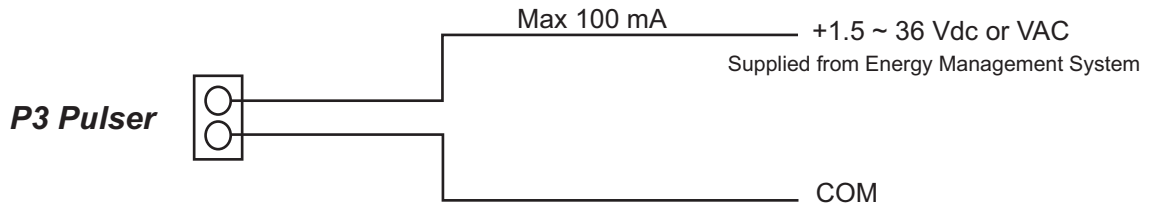


Fig. 2. Typical Wiring Diagram

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

By using this Honeywell literature, you agree that Honeywell will have no liability for any damages arising out of your use or modification to, the literature. You will defend and indemnify Honeywell, its affiliates and subsidiaries, from and against any liability, cost, or damages, including attorneys' fees, arising out of, or resulting from, any modification to the literature by you.

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

Honeywell