

RUN-TIME PULSE MODULE ISOLATED

MODEL RPMI

DESCRIPTION

The RPMI run-time pulse modules are self-contained units designed to convert run-time ("on" time) to counts. These self-powered modules offer the added benefit of isolation between input and output.

APPLICATIONS

Applications include operating cost allocations based on run time. Typical systems are hydronic heating systems and loop water heat pump systems. With proper installation, (see notes below), partial cycle times are retained in memory so there is no loss of accuracy.

FEATURES

- Self-powered for ease of installation.
- Low-profile case for tight spaces.
- LED indicator of input presence and pulse output.
- Complies with NIST Handbook 44, Sect. 5.55



5 YEAR WARRANTY

MODEL SELECTION

INPUT	INPUT / OUTPUT ISOLATION	MODEL
24Vac	YES	RPMI-24
120Vac	YES	RPMI-120

SPECIFICATIONS

INPUT

Voltage "-24" models 24Vac $\pm 25\%$, 0.5VA max
"-120" models 120Vac $\pm 25\%$, 0.5VA max

DIELECTRIC TEST

Input/Output 1200Vac

ACCURACY $\pm 1\%$

Complies with NIST Handbook 44, Sect. 5.55

INSTRUMENT POWER

Standard Self-Powered*
(*Powered output load required for retention of partial cycle times. Connected load should be capable of supplying 0.35 μ A at 3.6V.

OUTPUT

Pulse Type Open Collector (diode protected)
Pulse Rate 1 Pulse/10 s (6 Pulses/Min)
Pulse Duration 500ms
Impedance (low) <150 Ω
Impedance (high) >300k Ω
LED (green) ... Lit LED indicates input voltage presence, pulsing off during low impedance cycle.
Load 3V to 5.5V @ 0.5mA max

TEMPERATURE

Operating Range 0 $^{\circ}$ C to 55 $^{\circ}$ C
Storage Range -20 $^{\circ}$ C to 70 $^{\circ}$ C

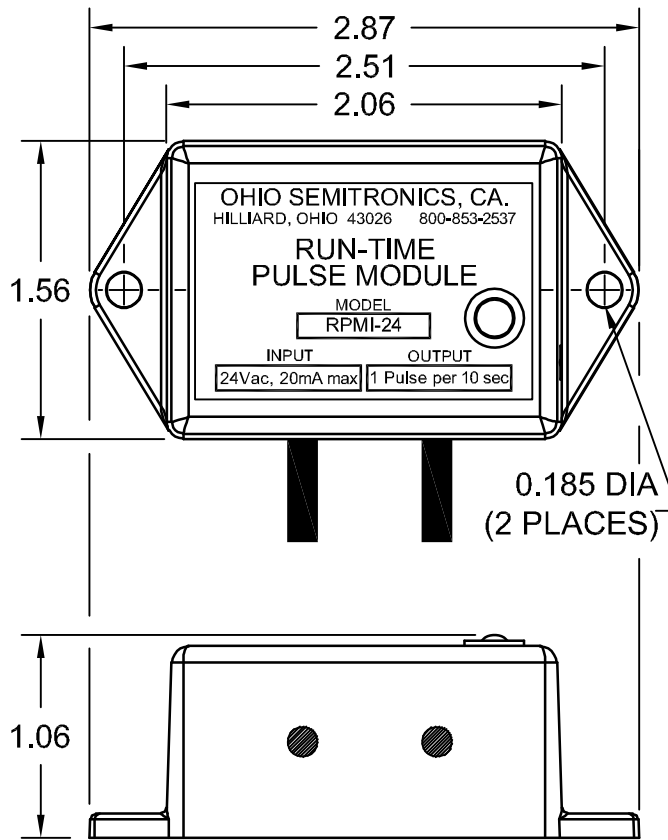
ENCLOSURE

Material ABS, black, UL 94V-0
Size (H x W x L) 1.0 x 1.5 x 2.0 in.

PHYSICAL

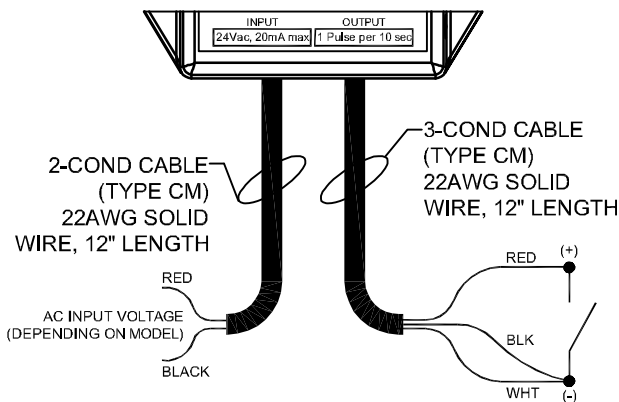
Operating Humidity 0-95% non-condensing
Weight 1.5 oz.
Termination 12 inch, 22 AWG, solid

CASE DIMENSIONS

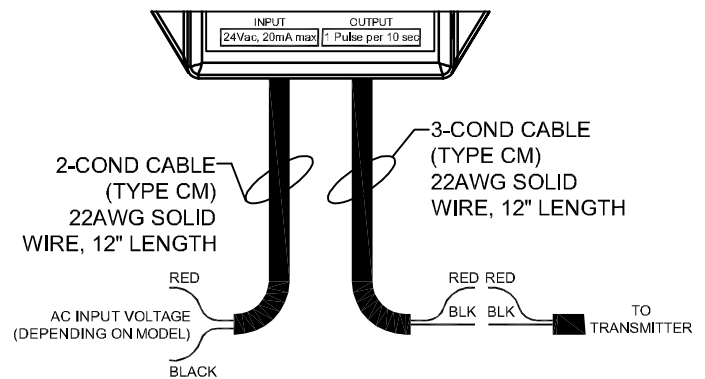


ALL DIMENSIONS IN INCHES.

CONNECTION TO DRY CONTACT



CONNECTION TO TX



Dwg# 0902-01080-B Rev--