

Warrick[®] Series 26M Control Installation and Operation Bulletin

This bulletin should be used by experienced personnel as a guide to the installation of the Series 26M Control. Selection or installation of equipment should always be accompanied by competent technical assistance. We encourage you to contact Gems Sensors or a representative if further information is required.

Specifications

Control Design: Solid-state components enclosed in a clear Lexan plug-in style housing. Not NEMA rated.

Contact Design: 1 SPDT (1 form C), powered contacts (input Power L1 connected to common of relay contacts)

Contact Ratings: 10A@120/240-VAC resistive (120°F), 1A @120/240VAC resistive (150°F), 1/3 HP @ 120/240-VAC (120°F).

Contact Life: Mechanical -5 million operations
Electrical -100,000 operations minimum at rated load

Supply Voltage: Factory Configured: 24V, 120V, 220V, or 240V AC +10%/-15% of nominal, 50/60 Hz. Factory Configured: 208V/240V Model: 187V Min to 242V Max, VAC 50/60 Hz

Power Consumption: 24/120/220/240-VAC with both relays energized ~ 4.4 VA.

Secondary Circuit: 2.3 VAC RMS voltage on probes, < 1 milliamperere source capability.

Sensitivity: Factory programmed to 4.7K, 10K, 26K, 50K, or 100K Ohms

Operating Ambient Temperature Range: -40°F to +150°F (-40°C to +65°C)

Terminals: All connections made with screw-clamp terminals.

Time Delays: Standard LLCO, 0.5 sec. on rising level, 3 sec. on falling level. Optional 0-90 sec. time delays in 1-sec. increments for rising and falling.

Listings: Control carries U.L. Limit Control Listing (UL-353) for 24VAC and 120VAC Line Powered units only (220VAC, 240VAC, 208/240VAC units not rated).

Installation

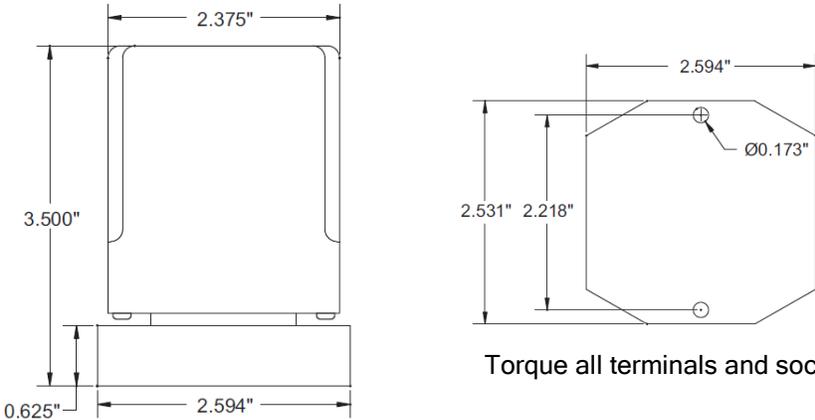
1. Install octal socket in appropriate enclosure using two #6 or #8 screws.
2. Install rail mount socket on appropriate rail (DIN mount) in appropriate enclosure if applicable.
3. Wire control per wiring diagram following N.E.C and local codes.
4. Install control module in socket.

Sensitivity vs. Maximum Probe Wire Distance*

SENSITIVITY CHARACTER	SENSITIVITY (K-OHMS)	Distance (FT)
A	4.7	900
B	10	600
C	26	250
D	50	100
E	100	50

* Based on type MTW or THHN wire, #14 or #16 AWG

Dimensional Drawing



Torque all terminals and socket mounting screws to 7 in-lb max.

Mount the octal socket (base) on rigid vertical or horizontal surface using #6 or #8 screws. The control should be mounted within an enclosure of proper NEMA integrity.

