



Warrick® Series 16M Controls Installation and Operation Bulletin

This bulletin should be used by experienced personnel as a guide to the installation of series 16M controls. Selection or installation of equipment should always be accompanied by competent technical assistance. We encourage you to contact Gems Sensors or its representative if further information is required.

Specifications

Control Design: Solid state components enclosed in clear Lexan plug-in style housing. Housing carries no NEMA rating.

Contact Design: SPDT (1 form C): one normally open (N.O.) and one normally closed (N.C.), non-powered contacts.

Contact Ratings: 10A @ 120 or 240 VAC resistive, 1/3 H.P. @120 or 240 VAC.

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

Supply Voltage: 24, 120, or 240 VAC models- factory set. Plus 10%, minus 15%, 50/60 Hz.

Supply Current: 120, 240, 24 VAC, Relay energized 4.4 VA.

Secondary Circuit: 12 VAC RMS voltage on probes, 1.5 milli-amp current.

Sensitivity: Models operate from 0-1,000,000 OHM maximum specific resistance- factory set.

Temperature: -40 to 150° F. ambient.

Terminals: All connections #6-32 screw type with pressure clamps.

Time Delays: Standard, 0.5 seconds on rising level. Additional time delays on rising and/or falling available as option.

Listings: U.L. listed, Industrial Motor Control (508).

Installation

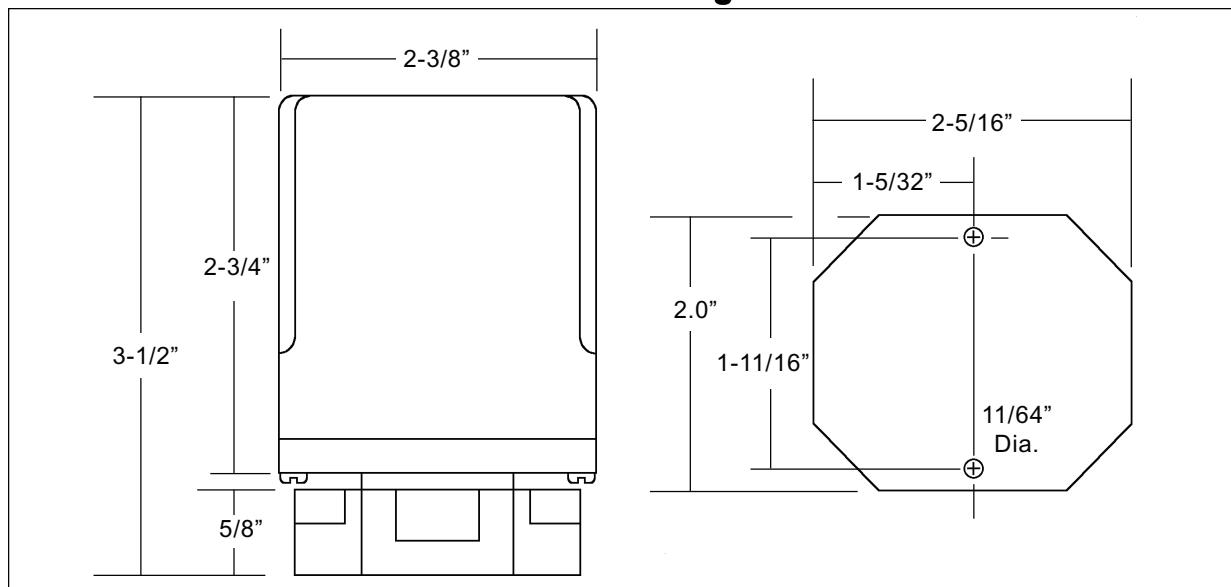
1. Install octal socket in appropriate enclosure using two (2) #6 or #8 metal screws.
- 1A. Install rail mount socket on appropriate rail (DIN mount) in appropriate enclosure if applicable.
2. Wire control per wiring diagram, following N.E.C. and local codes
3. Install control module in socket.

Sensitivities vs Maximum Probe Wire Distance*

Sensitivity Character	Sensitivity (K Ohms)	Distance (Ft)
A or K	4.7	10,000
B or L	10	5,700
C or M	26	2,200
D or N	50	1,075
E or P	100	570
F or R	470	270
G or S	1,000	38

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

Dimensional Diagram



Use copper (60/70° C) wire only. Torque to 20 inch pounds.

