



SM662

TWO CHANNEL ISOLATOR UNIT FOR NEMA & CALTRANS CABINETS

Solid-state isolator device used to monitor a mechanical switch or button and report Call status to a NEMA TS-2 Controller Unit.

FEATURES

- Interchangeable with a standard inductive loop detector
- Meets requirements of NEMA TS2-2003 Standard
- Switch inputs are optically isolated from the cabinet DC Supply & protected from transient over-voltage
- Call outputs provide fail-safe operation if the unit loses power
- NEMA TS-2 Status outputs provided for BIU compatibility

HIGHLIGHTS

- Nema TS2 Compatible & Type 332 Input File Compatible
- Input to Output Isolation
- Output CALL Test Mode
- Polarity Option
- Presence or Pulse
- DC Power
- Bias Circuit



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NEMA CABINET COMPATIBLE CALTRANS CABINET COMPATIBLE

Nema TS2 & Type 332 Input File Compatible: The SM662 meets the applicable performance requirements of the Nema Standard TS2-2003 v02.06. It provides the features of a DC Isolator for use in a Nema TS2 Input Assembly. The SM662 can also be used with 332 type Input Files and would operate as a DC powered plug-in upgrade for the standard Model 242 DC Isolator.

Input to Output Isolation: 2000 VDC minimum DC isolation.

Output CALL Test Mode: Each channel has a front panel mounted toggle switch. The NORMAL (center) position is set for normal operation. The DISABLE (up) position will inhibit the Call Output. The TEST (down) position will set the Call Output to the active state. The Output Call TEST Mode provides a straight forward way to test that the Controller Unit is receiving an active output from the unit. This eliminates the need for cabinet test switches and associated wiring. A huge time saving feature during system set-up and trouble-shooting.

Polarity Option: Both Normally Open (NO) and Normally Closed (NC) switches can be accommodated.

Presence or Pulse: Normally the Call output reflects the state of the input. A Pulse on Entry mode can be provided with four selectable pulse output widths.

DC Power: Operates on 10.8 VDC to 26.5 VDC.

Bias Circuit: 12VDC drive provides 5 milliamps typical switch bias current.