

# SM662

## CONTACT SWITCH

### TWO CHANNEL ISOLATOR



The SM662 is a solid-state device used to monitor a mechanical switch or button and report Call status to a Nema TS-2 Controller Unit.

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

## ENHANCED FEATURES

- Nema TS2 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.
- Type 332 Input File Compatible:** 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.

## EBERLE DESIGN INC.

3510 East Atlanta Avenue  
Phoenix, AZ 85040 USA  
www.EDITraffic.com

Tel (480) 968-6407  
Fax (602) 437-1996

