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TPS3 SPD Remote Monitor

TPS3 Accessory

The Remote Monitor option provides operational status for 1-3 SPD up to 1000 feet away. The Remote Monitor requires input information from each SPD's dry contact.

Connections are made to the Remote Monitor's 10 position terminal block using 25 to 18 AWG wire (not provided). The Remote Monitor includes a 6' cord connected power supply that requires a traditional 120VAC wall outlet.

The Remote Monitor's output has one Green LED, one flashing Red LED, an audible alarm and a Form C dry contact (NO-C-NC).

Upon receiving a status change via SPD's dry contacts, the Remote Monitor's Green LED will go out, the Red LED will flash, the audible alarm will sound, and the Remote Monitor's dry contact output will change state (i.e.: Normally Open will change to Closed, and Normally Closed will change to Open).

The Remote Monitor has a three position slide switch for Test, Normal, and Silence. The Test position turns the Green LED off, the flashing Red LED on, the audible alarm on, and changes the state of the output dry contacts. During an alarm condition, the Silence position

will silence the audible alarm while the Red LED continues to flash. When the anomaly is corrected, reset to the Normal position.

Remote Monitor Unit

- 4.00" x 4.51" x 1.20" (LxWxD)
- Weight: 0.25 lb
- Inputs: 1 NC, 2 NC, 3 NC, 1 NO, 2 NO, 3 NO
- Requires the TVSS Dry Contact Option
- Two Year Warranty
- Built-in audible alarm (piezoelectric buzzer)
- Separate AC adapter power source (plugs into any 120VAC, 60 Hertz receptacle)
- Wall or panel mount with supplied mounting foot
- DIN-35 mountable with mounting foot removed

Power Adaptor Unit

- 2.56" x 1.93" x 1.73" (LxWxD)
- Weight: 2 lbs
- Input: 120VAC, 60 Hertz, 12 Watts
- Output: 15VAC, 400 milliamperes maximum
- Class 2 Transformer
- UL Listed

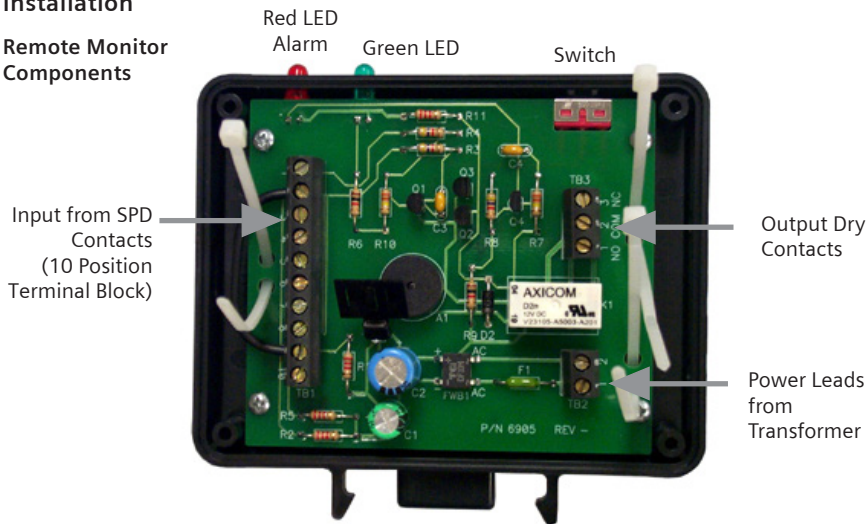
Dry Contact Output

- One Form C output (NC-C-NO)
- Contacts rated 120VAC @ 5 Amps resistive



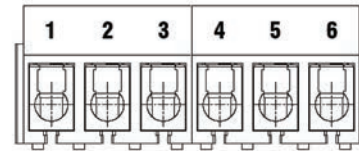
Installation

Remote Monitor Components



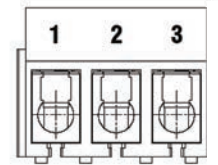
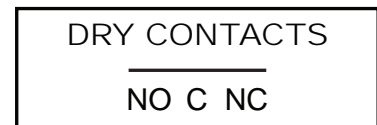
- Remote Monitor can be installed on Din-Rail or included mounting attachment.
- Position Remote Monitor appropriately with access to power.
- Remove four screws to access internal circuit board. (Note diagram below identifying key components.)
- Input wiring diagram identifying several installation options is included.
- This unit ships with a jumper installed between 2 and 9 for a typical one SPD, Normally Open configuration.
- The jumper can be removed for other configurations. (FYI: 9 and 10 are jumpered internally.)
- Attach power leads from power supply (not polarity sensitive).
- If Output Dry Contacts are used, attach appropriately.
- Use included tie-wraps for cable strain relief.
- Reassemble unit and mount.
- Test unit.

TPS3 12 Dry Contact Connection Configuration



- 1 Normally Open
 - 2 Common
 - 3 Normally Closed
 - 4 Normally Closed
 - 5 Common
 - 6 Normally Open
- Form C Set #1
- Form C Set #2

TPS3 11 Dry Contact Connection Configuration



- 1 Normally Open
 - 2 Common
 - 3 Normally Closed
- Form C Set #1

Remote Monitor Wiring Diagrams

	Using Normally Open Contacts	Using Normally Closed Contacts
One SPD		
Two SPD		
Three SPD		

Siemens Industry, Inc.

5400 Triangle Parkway
Norcross, GA 30092

888-333-3545

info.us@siemens.com

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