

### Model TM5000S-(V)-(F)

#### STANDARD FEATURES

- Automatic or Manual transfer
- Alarms & Indicator
- AAR terminals

The TM5000S is a Transfer Module designed for use as part of a redundant (back-up) power system. It will accept two power feeds from any source in its operation range. All operating power for the TM5000S is derived from these inputs. The unit will always favor the primary power source "A". In the event the "A" source is removed or drops too low in voltage, the unit will transfer to the back-up or "B" source. The unit will provide remote contact signaling to external circuits to indicate that the primary source is out and the back-up source is "on-line". When the primary source is available again, the TM 5000S will wait approximately 30 seconds before switching back to "A". In the event of a failure or for maintenance purposes the input can be manually switched for replacement or repair.

**INPUT A/B:** (V) 120 VAC, 1 Phase, (F) Hz  
240 VAC, 1 Phase, (F) Hz  
480 VAC, 1 Phase, (F) Hz  
(F) 60 Hz, 100 Hz, 250 Hz

**Max switched current:** 50 Amps

**TRANSFER:** Switch – Auto ("A" Preferred) or "B"

**TRANSFER TIME:** Less than 100 milliseconds typical  
(Less detection time)

**OUTPUT:** (V)-(F) 120VAC, 240VAC, 480VAC, 1-Phase, (F) Hz

**ALARMS & INDICATORS:** One form "C" contact 10 amps @ 250 VAC or 80 VDC  
(2) LED's: Transfer Status, A or B

#### MECHANICAL SPECIFICATIONS: (Bulk head mount enclosure)

Dimensions: 16.3"H (17.5 over mounting flanges) x 14.3"W x 6"D.  
Weight: Approximately 25 lbs.  
Temperature: -10 to 50°C  
Enclosure: NEMA rated 4 and 13  
Input Connections: (4) AAR terminals – "A", "B" (H, L).  
Output Connections: (2) AAR terminals – (H, L).  
Signal Connections: (3) AAR terminals – Status "A" or "B"



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