



Model 62 Intelligent Switching Module (ISM)

FEATURES

- Communicates with two computer systems via an RS-232 interface to diagnose the status of each system (either dual SCADA Master systems or dual Plant Control Systems)
- Automatically switches control and data channels to backup system if primary system fails
- Provides LED indication for the current primary system
- Provides front panel selection of the preferred primary system (LED indication of the preferred system selected)
- Provides manual override for system selection (manual transfer switch)
- Provides LED indication for watchdog timer of each system and the Model 62
- Provides a watchdog timer relay for the Model 62 with 2 sets of C contacts
- Provides switching for 8 data channels
- Supports expansion modules, each with 16 additional channels
- Supports switching modules for control outputs for the application
- Europac 19" Subrack (chassis), rack mounted to EIA-310-C-1982 and DIN. 41 494 Parts 1-5 and IEC 297-3(3A)
- Chemically oxidized and passivated (alodine 1500 clear MIL-C-5541) metal chassis parts

INPUT OPTIONS

24 VDC	125 VDC
48 VDC	250 VDC
	115 VAC

POWER REQUIREMENTS

24 VDC:	approximately 20 W max.
48 VDC:	approximately 20 W max.
125 VDC:	approximately 20 W max.
250 VDC:	approximately 30 W max.
115 V AC:	approximately 25 W max.

ENVIRONMENTAL DATA

Operational Temperature:	0 to 60° C
Storage Temperature:	-40 to 70° C
Humidity:	95% Noncondensing

MECHANICAL DATA

Dimensions:	10.46" H x 10.43" D x 19.00" W (265.9 x 265.1 x 482.6)
Weight:	Approximately 16 lbs.

DESCRIPTION

The Model 62 Intelligent Switching Module provides a cost-effective way to monitor the status of two computer systems and automatically switch to the backup system if the primary system fails. You can use the unit to switch between either dual Supervisory Control and Data Acquisition (SCADA) Master Systems or dual Plant Control Systems. The Model 62 also can switch via keyboard action through the primary computer system. It provides switching for 8 data channels with up to 6 wires per channel, and supports expansion modules, each with 16 additional channels.

In addition to the front panel switching selections (preferred primary system and manual transfer switch), the Model 62 supports externally mounted switches that have the same functions. The unit provides external interfaces for 4 spare digital outputs and 4 spare digital inputs. The digital outputs each consist of a solid state FET switch. The digital inputs are jumper selectable for voltage keyed or dry contact per input.

