MR-50
Single Door Sub-Controller

Overview

The MR-50 is a single door sub-controller that communicates with the SCP controller and has a reader and door monitoring/control hardware interface.

Product Highlights

· Interfaces to a TTL/wiegand/ RS-485 type reader.

· Communication via a 2-wire RS-485 interface.

· Accepts data from reader with clock/data, wiegand or RS-485 signaling.

· Provides a tri-state LED control and buzzer control.

· Two form-C relay outputs may be used for strike control or alarm signaling.

· Two supervised/unsupervised inputs are provided for monitoring the door contact and exit push button.

· One unsupervised input for cabinet tamper and power fail monitoring.

· Local door control intelligence.

· Programmable event linking (through the SCP).

· Interconnection to the MR-50 via quick-disconnect terminal blocks.

· Operation with 12 to 24Vdc.

Status LEDs

LED Status after Successful Initialization

A LED: Heartbeat and On-Line Status
Off-line: 1 second rate, 20% ON
On-line: 1 second rate, 80% ON

B LED: Sub-controller Communication
Port Status: Communication activity on the
sub-controller communication port

LED 1-8: Input Status: IN1 - IN8
TMP: Cabinet Tamper
PFL: Power Fault

LED K1 through **K6** Illuminates when output
relay RLY 1 (K1) - RLY 6 (K6) is energized.

R1 Reader port 1

Clock/Data Mode	**Flashes** when data is received, either input
Data 0/Data 1 Mode	**Flashes** when data is received, either input
RS-485 Mode	**Flashes** when transmitting data

R2 Reader port 2

Clock/Data Mode	**Flashes** when data is received, either input
Data 0/Data 1 Mode	**Flashes** when data is received, either input
RS-485 Mode	**Flashes** when transmitting data

Input in the inactive state	**OFF (briefly flashes ON every 3 seconds)**
Input in the active state	**ON (briefly flashes OFF every 3 seconds)**
Input in a trouble state	**Rapid Flash**