

## 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

Data 0/Data 1 Mode

RS-485 Mode

**Flashes** when data is received, either input

**Flashes** when data is received, either input

**Flashes** when transmitting data

#### **R2 Reader port 2**

Clock/Data Mode

Data 0/Data 1 Mode

RS-485 Mode

**Flashes** when data is received, either input

**Flashes** when data is received, either input

**Flashes** when transmitting data

Input in the inactive state

Input in the active state

Input in a trouble state

**OFF (briefly flashes ON every 3 seconds)**

**ON (briefly flashes OFF every 3 seconds)**

**Rapid Flash**