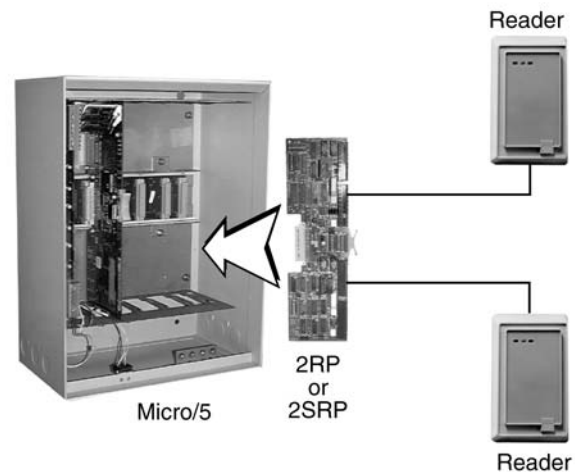# Micro/5 Options 2RP and 2SRP

Reader Interface Processors

TWO PORT READER PROCESSORS FOR ALL MICRO/5 MICROCONTROLLERS

The CASI 2RP and 2SRP (supervised) Reader Processors are the interface between a CASI access control system, a badge reader and the related door control functions. They provide a flexible means of expanding the reader capacity of a Micro/5 microcontroller.

The 2RP or 2SRP boards provide the following functionality:
* Two badge readers ports
* Four Digital Inputs (DIs)
* Four Digital Outputs (DOs)

The 2SRP provides supervision for the Digital Inputs. The two sets of Supervised Digital Inputs, one door contact, and one request to exit per reader can easily be configured to work with 1.0K, 6.8K, or 18K Ohm 1/4W, 5 percent end-of-line supervision resistors.

MULTIPLE READER TECHNOLOGY

Each reader processor will support the following reader data formats: Wiegand, standard F/2F, supervised F/2F or strobed. Both readers must be the same format and the same voltage.

MULTIPLE READER VOLTAGES

The 2RP and 2SRP can be easily and quickly configured to support either 5VDC (Wiegand) or 12VDC (magstripe or proximity) readers.

DOOR STRIKE RELAYS

The door strike relay supports 2A@28VDC or 30VAC door strikes. The associated reader LED digital outputs can be used to drive an external door strike relay.

ALARM SHUNT RELAY

Each reader port is provided with a Normally Open/Normally Closed (1/4W @ 40VDC) relay used to disable an external device upon a valid badge read or request-to-exit. The relay remains activated while the door is validly open.
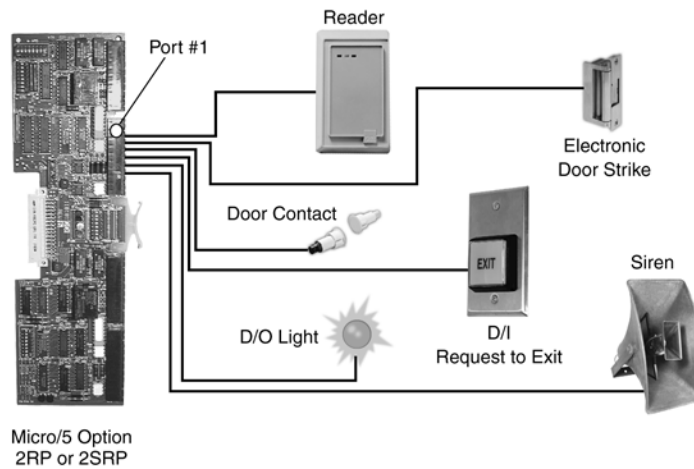
AUXILIARY RELAY FOR DIGITAL OUTPUTS

Each reader port is provided with an auxiliary output Normally Open/Normally Closed relay (1/4W @ 40VDC) for control of lights or warning devices.

FIELD WIRING

All field wiring connections are made through screw-terminal, pluggable connectors making maintenance fast and reliable.

FEATURES

* Up to four 2RP/2SRPs per Micro/5 provide control for up to 8 readers or key-pads per Micro/5
* The 2RP is compatible with all Micro/5 microcontrollers
* The 2SRP is compatible with all Micro/5s except the Micro/5-E

Micro/5 Option
2RP or 2SRP

PRODUCT CONTENT

The 2RP and 2SRP reader kits include the Micro/5 two-port reader processor, screw-terminal, pluggable connectors and components to configure for use with either 5VDC or 12VDC readers. Supervision resistors, (1K W) are included with the 2SRP.

OTHER

A protection diode, IN4002, IN4003 or IN4004, is required for DC-powered door strikes; an MOV is required for AC powered door strikes. This equipment is supplied with each 2RP and 2SRP.

The 2RP and 2SRP support both supervised and non-supervised readers and keypads. The difference lies in the monitoring of the Exit Request and Door Contact inputs. These points are unsupervised by the 2RP and supervised by the 2SRP.

Pull-up resistors, necessary for reader-to-microcontroller cable lengths over 500 feet, are built into the 2SRP. The 2RP requires external pull-up resistors. Pull-up resistors are supplied with CASI Model 4xx magnetic stripe and Model 94x-97x proximity readers.

DESCRIPTION	ORDERING NUMBERS
2RP – two reader interface processor, unsupervised DI	110063001
2SRP – two reader interface processor, supervised DI	110101501

CUSTOMER SUPPORT

GE Interlogix and its CASI Business Partner Network offer a full range of support services including site surveys, installation supervision and training. Emergency support is available 24 hours a day, seven days a week.

FOR MORE INFORMATION

You can find additional product installation details in the Micro/5 Installation Guide; available for download at www.casi-rusco.com.

Please contact the authorized CASI Business Partner listed below to see how Micro/5 2RP or 2SRP Reader Processors can meet your specific requirements.

GE Interlogix