



Micro/5 Options 2RP and 2SRP

Reader Interface Processors

Overview

GE 2RP and 2SRP (supervised) Reader Processors are the interface between a GE 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 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 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

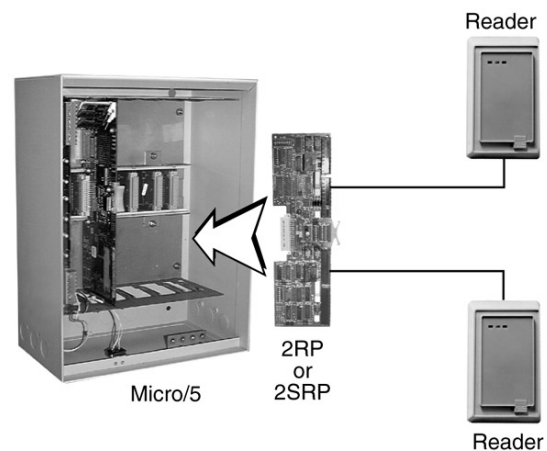
Each reader port is provided with a Normally Open/ Normally Closed (1/4W @ 40VDC) relay used to disable an external device upon a valid badge read or request-to-exit. The relay remains activated while the door is validly open.

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.



Standard Features

- Two multiple-format reader ports: Wiegand, F2F, SF2F, Strobed
- Four digital inputs: 2-state (2RP), 4-state (2SRP)
- Four digital outputs

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Specifications

DOR Ratings	2A at 28 VDC	
	2A at 30 VAC	
Auxillary DO rating	0.25A at 40 VDC max.	
Magstripe Readers	Reverse strobed	
	Water mark	
	SF2F, F2F	
	Strobed	
Wiegand readers	3701, 3702	
	3201	34-bit KSC
	3201	38-bit ADT
		3202, 4001, 4004
		2802, 2804
		2700, 2801
		32-bit Indala
		2800, 35/37 Hughes
		26-bit, 34-bit card key
		2500, 2804, 3400, 3703

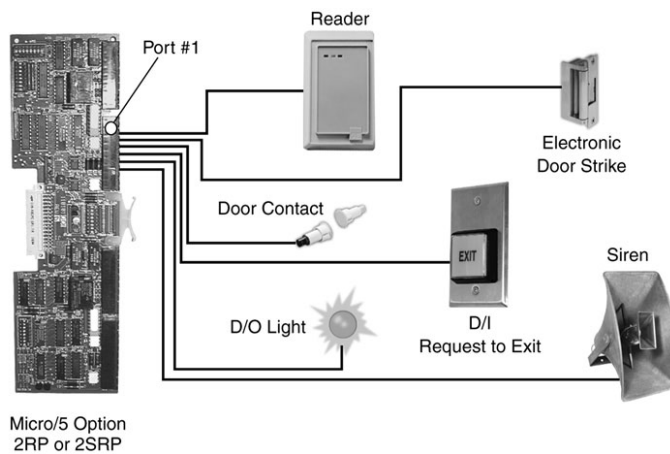
Product Content

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.

Notes

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.

Pull-up resistors, necessary for reader-to-microcontroller cable lengths over 150 m, are built into the 2SRP. The 2RP requires external pull-up resistors. Pull-up resistors are supplied with Model 4xx magnetic stripe and Model 94x-97x proximity readers.



Ordering Information

Part No.	Description
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