



8RP

Micro/5 Reader Processor

Overview

The Micro/5 8RP is an eight-port reader option board suitable for use with F/2F and supervised F/2F readers.

The 8RP is compatible with all GE Micro/5 microcontrollers and access control system software.

Micro/5 Configuration Flexibility

You can free up three Micro/5 card slots by configuring one 8RP in place of four 2RPs saving card slots which can be used for 20 DI and 16 DO/DOR options.

Micro/5-PX 16 Reader Support

Up to two 8RPs can be configured into a Micro/5-PX or Micro/5-PXN microcontroller, substantially reducing the cost per door for access control.

Long Reader to Microcontroller Cable Lengths

The 8RP has built-in pull-up resistors - making the microcontroller-to-12 VDC reader cable lengths of more than 150 m possible.

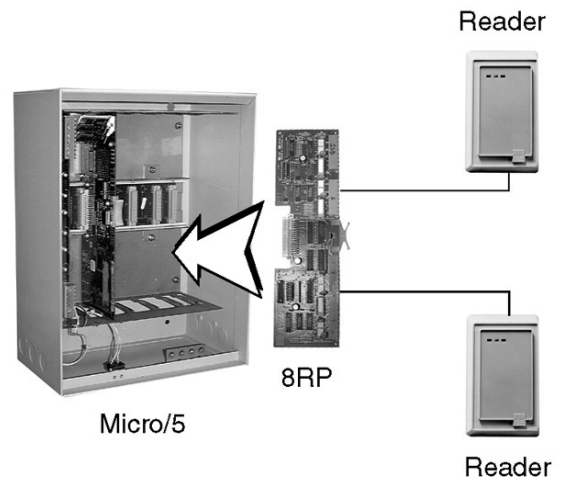
In specific configurations, select GE readers support cable lengths of up to 1,500 m.

Reader Supervision

Reader tamper, cable problem and reader failure detection are provided by a "heartbeat" signal which is passed between the supervised reader and the 8RP. When a problem is detected, an alarm is generated at both the reader and the host system.

Product Content

The Micro/5 8RP includes the eight-port reader processor, and screw terminal pluggable field wiring connectors.



Standard Features

- Allows up to 16 readers per microcontroller
- Supports F2F proximity readers
- Supports supervised F2F proximity readers
- Can be used with Wiegand Interface Unit to support Wiegand readers
- Built-in pull-up resistors
- Up to 8 DO, one per reader

8RP

Micro/5 Reader Processor

Specifications

DO rating	0.10 A at 12 VDC
Readers supported	Only F2F and SF2F readers Wiegand readers require a WIU-2 or WIU-4

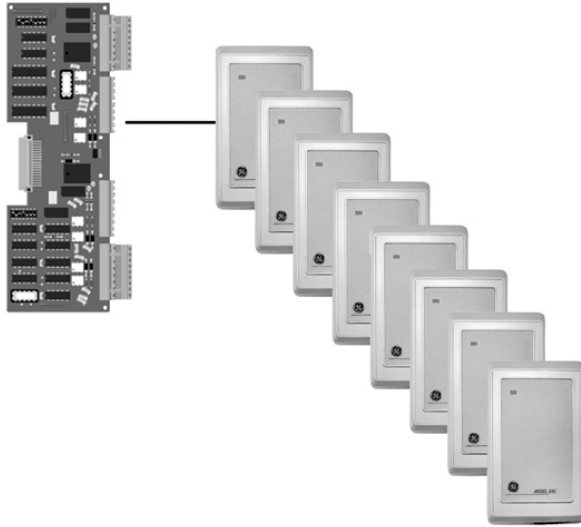
Notes

The 8RP has one door DO point for each of the eight supported readers. The door DO is used to drive the reader LED and the external door relay.

A door relay, door-strike protection diode, IN4002, IN4003 or IN4004, is required for DC-powered door strikes while an MOV is required for AC-powered door strikes. Diodes and MOVs are supplied items.

Micro/5-PX and Micro/5-PXN: 16 reader-one 8RP is powered from the Micro/5 Power/Communication board while other is powered from the Micro/5 backplane.

Both Secure Perfect and Picture Perfect support 2x 8RP's per Micro/5.



Ordering Information

Part No.	Description
430187001	Wiegand Interface Unit-Two State (WIU-2) Card

