



Model 970, 971, 972 and 973

Proximity Readers

Overview

The GE Model 97x Proximity Perfect® readers provide the convenience of proximity technology in a variety of styles. All are economical and easy to install, and provide a full range of field-selectable operation modes. All models include a rugged, weather-resistant ABS plastic housing.

Model 97X readers mount directly on a wall or to a standard USA dual-width electrical box. Models 970 and 972 are designed for conventional wall installation. Metal wall installation requires the metal backplate (supplied with Models 971 and 973). Back-to-back reader installation requires use of Models 971 and 973 with an optional isolation plate. This plate prevents a badge from being read by a reader mounted on the opposite side of a door.

Models 972 and 973 include a keypad for use when a Personal Identification Number (PIN) entry is required for added security.

Each reader includes a new mechanical tamper switch that reports if the reader is completely removed from the wall, in addition to detecting when the reader has been separated from its back plate.



Standard Features

- Badge read-range distance of up to 25 cm
- Reads ProxLite®, ISO ProxLite® and Entrée® badges and key tags
- Four selectable modes of operation
- Supervised reader-to-microcontroller communication
- Built-in reader tamper detection

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Specifications

Colour	Grey or Black
Dimensions	
Height	121 mm
Width	140 mm
Depth	23 mm
Operating temperature	-35 to +66°C
Relative humidity	5 to 95%, non-condensing
Wiring	4 conductors (min.)
Certifications	FCC Part 1, CE, UL 294
Compatibility	Micro/2, Micro/4, Micro/5-E, Micro/5-PX, Micro/5-PXN Micro/PX-2000, Micro/PXN-2000
Badge formats	ProxLite, ISO ProxLite, Entrée badges and ProxLite key tags
Indicators	Red, yellow and green LEDs and beeper

Ordering Information

Part No.	Description
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Reader Operation

The Model 97X readers provide supervised operation for continuous checking of reader, door contact, exit button and communication line status. The Micro/PX-2000, Micro/PXN-2000 and Micro/5 2RP, 2SRP and 8RP reader processor boards are fully compatible.

The readers provide a maximum badge read distance or up to 25 cm. Read range is a function of reader power and card type. Read range is also influenced by site conditions, wire gauge and cable distance. DIP switches allow the optimum reader power setting to be selected for site conditions.

The Model 97X readers have four switch-selectable modes of operation; industry-standard Wiegand, standard F/2F, Supervised F/2F and Silent Supervised F/2F (for sites where no audible or visual indication of reader communication loss is required). Both supervised modes are compatible with Micro/2, Micro/4, MicroProx®, Micro/5, Micro/PX-2000 and Micro/PXN-2000 microcontrollers.

Product Contents

The Model 97X readers include the reader, 5 m proximity reader cable, installation hardware, weather seal gasket and installation instructions.

