



D A T A S H E E T

Symmetry™ S840-KP

Keypad Proximity Reader



Key Features

Reads HID 125KHz proximity cards

Typical read range of 5" (120mm) with HID ProxCard II

Secure, bi-directional, pseudo-random supervised communications

Audible feedback provides positive confirmation of card read and key press

Visual indication for card accepted, card rejected and PIN prompt

Card commands in conjunction with LED status indicators

Integral door held warning buzzer

Supports S660 RIM for local door input and output terminations

A distance from the door controller to the Symmetry S840-KP of up to 3000 ft (1000m) can also be achieved

Product Overview

The Symmetry S840-KP reads HID 125KHz proximity cards and is designed for use with the complete range of database and door controllers. Typical read range is 5"(120mm) with HID Proxcard II.

Unlike Wiegand interface readers, the Symmetry S840-KP uses secure, bi-directional, pseudo-random supervised communications between the door controllers and their associated readers. Both the reader and cable are supervised, and an alarm will sound if the reader is tampered with, or communications lost.

Reader features include integral buzzer providing positive confirmation of PIN entry and local door pre-held warning alarm. Additional programming LEDs are used in conjunction with card commands initiated from the reader keypad.

The S840-KP keypad allows use of card and pin for two factor operation/authorization. Card commands allow the card holder to issue predefined commands from the keypad as well.

**Symmetry™ S840-KP
Keypad Proximity Reader****Specifications****Model Types**

- Model Symmetry S840-KP keypad proximity reader available in ash gray, charcoal gray and black

Dimensions Inches (mm)

- Width = 3.8" (97mm)
- Height = 4.9" (125mm)
- Depth = 1.8" (45mm)

Operating Environment

- -40°F to +122°F (-40°C to +50°C)
- 15% to 90% humidity, non-condensing
- Optional weather kit recommended when mounting outside

Communication Distances

- All Symmetry door controllers to Symmetry S840-KP (current loop) = 3000 ft/1000m
- S660 to Symmetry S840-KP = 30 ft /10m

Power Requirements

- Nominal 12VDC (9-14V)
- Maximum current consumption: 0.1 amp

Purchasing Information

840-KP-AG ash gray

840-KP-BK black

840-KP-CG charcoal gray

Approvals**Radio Regulatory Approvals**

- EN 300 330:1994
- FCC CFR47 Part 15 Subpart c
- ETS 300 330

EMC Type Testing

- EN 50133-1

Access Control Product Testing

- IP44: R & TTE Directive 1999/5/E
- UL 294



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