



# SYMMETRY™

## S840-KP KEYPAD PROXIMITY READER

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.

### 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 & 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 3000ft (1000m) can also be achieved



## SPECIFICATIONS

### Model Types

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

### 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 S660
- +32°F to +122°F (0°C to +50°C)
- 15% to 90% Humidity, non condensing

### Communicating Distances

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

### Power Requirements

- Symmetry S840-KP
  - Nominal 12VDC (9-14V)
  - Maximum current consumption: 0.1 Amp
- S660
  - 18VAC supply from an external transformer with minimum rating of 50VA.

### Dimensions

- Symmetry S840-KP
  - Width = 3.8" (97mm)
  - Height = 4.9" (125mm)
  - Depth = 1.8" (45)mm
- S660
  - Width = 10" (255mm)
  - Height = 8.3" (210mm)
  - Depth = 3.5" (90mm)

## APPROVALS

### Radio regulatory approvals

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

### Access control product testing

- to EN 50133-1

## PURCHASING INFORMATION

- 840-KP-AG Ash Gray
- 840-KP-BK Black
- 840-KP-CG Charcoal Gray



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