



# Symmetry™ S820 Proximity Wall Switch Reader

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## System Overview

The Symmetry S820 Proximity Wall Switch Reader reads HID 125KHz proximity cards and is designed for mounting on most standard electrical backboxes for ease of installation.

The Symmetry S820 can be connected to the complete multiNODE range of database and door controllers.

Unlike Wiegand interface readers, the Symmetry S820 uses secure, bidirectional, pseudo-random supervised communications between the multiNODE controllers and their associated readers. An alarm will sound if communications are lost.

A distance from any of the multiNODE controllers to the Symmetry S820 reader of up to 3000feet (1000m) can also be achieved.

The Symmetry S820 has a typical read range of up to 3.5" (87mm) with HID ProxCard II.

The Symmetry S820 is available in three colors - ash gray, charcoal gray and black.

Other key reader features include LEDs for visual indication of card accepted or card rejected and an integrated buzzer for card read and door pre-held warning.

The Symmetry S820 Proximity Wall Switch Reader is very cost effective and comes with exceptional reliability and consistent read range characteristics.

The Symmetry S820 reader has fully potted electronics and is ideal for both outdoor and indoor use.

The Symmetry S820 is warranted against defects in workmanship for life (see our warranty policy for details).



## Features

- Designed to fit most standard electrical backboxes
- Reads HID 125KHz proximity cards
- Typical read range of up to 3.5" (87mm) with HID ProxCard II
- Visual indication via LEDs for card accepted and card rejected
- Integrated buzzer for confirmation of card read and door pre-held warning
- Secure, bi-directional, pseudo-random supervised communications
- Rugged polycarbonate design with potted electronics - ideal for both outdoor and indoor applications
- Lifetime warranty



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## Specifications

### Model Types

Model Symmetry S820 - Card Only Wall Switch Proximity Reader

- Available in ash gray, charcoal gray and black.

### Power Requirements

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

### Communicating Distances

- multiNODE-1000/multiNODE-2 SMD/multiNODE-2000/  
multiNODE-2100/ multiNODE-2150 controllers
- to Symmetry S820 (current loop) = 3000ft/1000m

### Operating Environment

- -13°F to +158°F (-25°C to +70°C)
- 0% to 95% Humidity, non condensing

### Dimensions Inches (mm)

- Width = 3.1" (78mm)
- Height = 4.7" (120mm)
- Depth = 1" (26mm)

### Approvals

Radio regulatory approvals to:

- FCC CFR47 Part 15.209
- EN 300 330 – 1 v1.3.1

EMC Type Testing

- EN50130-4

Access control product testing

- EN 50133-1:1



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