Symmetry™ S830

Micro Proximity Reader

Key Features

Small size allows unobtrusive installation

Reads HID 125KHz proximity cards

Typical read range is up to 2.5" (62mm) with HID ProxCard II

Visual indication is via LEDs for card accepted and card rejected

Integrated buzzer for confirmation of card read and door pre-held warning is included

Secure, bi-directional, pseudo-random supervised communications

Rugged polycarbonate design has potted electronics - ideal for both outdoor and indoor applications

Lifetime warranty

Product Overview

The Symmetry S830 Micro Proximity Reader reads HID 125KHz proximity cards, and its small size makes it ideal for mounting unobtrusively.

The Symmetry S830 can be connected to the complete range of database and door controllers.

Unlike Wiegand interface readers, the Symmetry S830 uses secure, bi-directional, 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 door controllers to the Symmetry S830 reader of up to 3000 feet (1000m) can also be achieved. The Symmetry S830 has a typical read range of up to 2.5" (62mm) with HID Proxcard II. The Symmetry S830 is available in three colors - ash gray, charcoal gray and black.

Other key 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 S830 Micro Proximity Reader is very cost effective and comes with exceptional reliability and consistent read range characteristics.

The Symmetry S830 reader has fully potted electronics making it ideal for both outdoor and indoor use. It is warranted against defects in workmanship for life (see our warranty policy for details).

Specifications

Model Types
- Model S830 - Card Only Micro Proximity Reader
- Available in ash gray, charcoal gray and black

Dimensions Inches (mm)
- Width = 1.8" (45mm)
- Height = 3.1" (78mm)
- Depth = 0.7" (18mm)

Operating Environment
- -13°F to +158°F (-25°C to +70°C)
- 0% to 95% humidity, noncondensing

Communication Distances
- All Symmetry door controllers/Symmetry S830(current loop) = 3000ft/1000m

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

Purchasing Information

830-AG - ash gray

830-CG - charcoal gray

830-BK - black

Approvals

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

EMC Type Testing
- EN 50130-4
- EN 50133-1:1997