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Symmetry™
F2F Card Readers
Datasheet

KEY FEATURES

- Supports supervised F2F protocol
- Compatible with Symmetry SR Controller range
- Multi-technology, multi-frequency
- Modular design
- Supports proximity and smart card technologies
- Multiple purchasing options
- 12-month warranty

The Symmetry F2F Reader family is the perfect complement to the Symmetry SR controller range. The F2F card readers are also compatible with legacy access control systems supporting supervised F2F protocol.

This unique multi-technology, multi-frequency card reader family has a modular, compact design which enables a variety of physical mounting options to ensure compatibility with any environment. The flexible F2F card readers support a range of both proximity and smart card technologies making them suited to most applications.

Comprehensive security features such as tamper monitoring and reporting and four-state supervision of inputs prevent access when system integrity may be suspect.

There are two purchasing options for the Symmetry F2F card readers. Firstly, they can be purchased as a kit to include the card reader, mounting plate, and cover, or alternatively the individual components can be purchased separately for conversion, maintenance, or customized applications.

SPECIFICATIONS

Card Formats Supported

- Casi Proxlite 12 Digit
- Casi Entre Prox 12 Digit
- HID 125kHz Prox
- HID iClass/15693 UID
- MIFARE 14443 UID

Card Reader Range

- Up to 120mm (dependent on credential type and local environment)

Dimensions*

- US Single Gang: h 4.3” x w 3.27” x d 0.73” (110 x 83 x 19mm)
- Euro Switch Box Mount h 3.27” x w 3.27” x d 0.73” (83 x 83 x 19mm)
- Euro/Wall Mount: h 3.27” x w 3.27” x d 1.53” (83 x 83 x 39mm)

Operating Environment

- -13°F to 140°F (-25°C to +60°C)
- Humidity: 5 – 95%

Power Requirements

- 8-30 VDC <125 mA

Operating Frequency

- 13.56 MHz, 125kHz

Monitoring and Supervision

- Door Contact (four-state supervision, 1K Ω)
- Request to Exit (four-state supervision, 1K Ω)
- Tamper Magnet (magnet built into mounting plate)

Interface Protocol

- Supervised F/2F

**Dimensions include cover but do not include connector*

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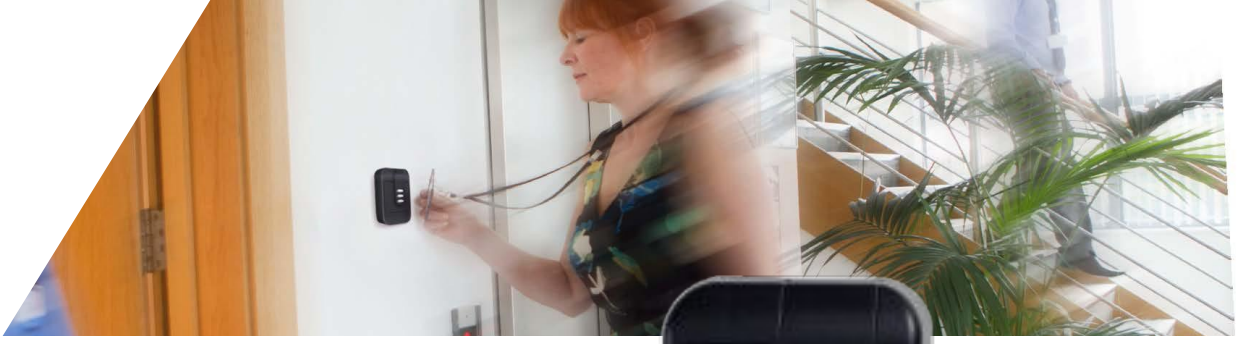

SR-F2FR-TB

SR-F2FR-KP-B

Model	Description
Complete card-only reader kits – U.S. single gang switchbox/wall mount (requires terminal block clearance)	
SR-F2FR-B	Proximity reader F2F multi-card technology with black U.S. cover
Complete keypad reader kits – U.S. Single Gang Switchbox/Wall Mount (requires terminal block clearance)	
SR-F2FR-KP-B	Keypad reader F2F multi-card technology with black U.S. cover
Complete card-only reader kits – Euro/Wall Mount	
SR-F2FR-TB	Proximity reader F2F multi-card technology with thin mounting plate (requires terminal block clearance), black
SR-F2FR-DB	Proximity reader F2F multi-card technology with thick spacer for surface mounting, mounting on metal surfaces (does not require terminal block clearance), black
Complete keypad reader kits – Euro/Wall Mount	
SR-F2FR-KP-TB	Keypad reader F2F Multi-card technology with thin mounting plate (requires terminal block clearance), black
SR-F2FR-KP-DB	Keypad reader F2F Multi-card technology with thick spacer for surface mounting, mounting on metal surfaces (does not require terminal block clearance), black
Reader Components	
SR-RCV-B	U.S. single gang cover, black
SR-RCVKP-B	U.S. single gang cover, black
SR-RSP-B	U.S. single gang mounting plate with tamper magnet, black
SR-RCV-EB	Euro/wall mount cover, black
SR-RCVKP-EB	Euro/wall mount keypad cover, black
SR-RSP-TB	Euro switch box mounting plate with tamper magnet, black
SR-RSP-DB	Euro/wall mount spacer with tamper magnet for surface mounting, mounting on metal surfaces (does not require terminal block clearance), black
SR-F2FR-CORE	F2F reader electronics module (no housing, no cover and no spacer)
SR-F2FR-KP-CORE	F2F keypad reader electronics module (no housing, no cover and no spacer)

NOTE: By default, the Symmetry F2F reader will read any and all technologies presented to it. If multi-technology cards are in use, please consult your technical representative prior to ordering.