



# Security Management System

## *Model SXF2110*

### *Multi-Technology Mid-range Key Pad Reader*

#### Overview

The SXF series of readers are the most flexible readers in the industry. Finally, one reader handles all applicable ISO standards (14443 and 15693). All SXF Multi-technology readers contain both 125 kHz proximity and 13.56 MHz contactless smart card capability in one unit.

SXF Multi-technology readers provide compatibility with HID® proximity, GE/CASI ProxLite®, XceedID proximity, and most 13.56 MHz technologies (see standards and technologies supported on back).

Offering 125 kHz and 13.56 MHz technology in one reader, we protect our customers from obsolescence in the transition from proximity technology to contactless smart card technology. Even if customers want to continue using proximity technology today, the new SXF readers offer economical migration to the latest in smart card technology in their budget or timeline.

#### Product Application

The SXF2110 mid-range keypad reader is ideal for higher security applications where two factor (card and/or pin number) authentication is desirable. This reader may be mounted on standard U.S. single gang electrical boxes or any typical wall mounted application. The SXF2110 unique modular design allows easy, upgradeable changes in the field if changes are required after specification or installation.



#### ORDERING INFORMATION

SFX2110 - Multi-technology Mid-Range Key-Pad Reader

## Durability/Warranty

The SXF2110 reader is manufactured with the highest quality UV-resistant materials. These plastics inhibit discoloration in all types of environmental conditions, including direct sunlight. The readers feature potted

electronics and circuitry for protection against inclement weather. We protect our customers with a lifetime warranty, providing full confidence in your reader products.

---

### FEATURES & BENEFITS

- Industry standard 125 kHz prox and 13.56 MHz contactless in the same reader
- Compliance: compatible with all applicable ISO standards
- Easy migration: Includes XACTT technology (patent pending)
- Modular Design: Allows easy, upgradeable changes in the field
- Read Range: up to 20.3cm
- Tri-state LED (red, green, amber): Visual indicator and audio feedback representing status and activity information
- Tamper Detection
- Multiple Color Options
- Environment accommodates interior, exterior, metal and non-metal installation environments
- Security/Key Management; several options to ensure the greatest choice between "open" or high security credential security
- Warranty: lifetime against defective workmanship and materials

---

### SPECIFICATIONS

- Frequency: 125 kHz and 13.56 MHz
  - Standards: ISO 15693 and ISO 14443
  - Certifications: FCC Certification, Canadian FCC Certification, UL 294 Listed (Pending), R&TTE Directive (15 EU Countries), CE Mark
  - Voltage range: 8-16 VDC
  - Power supply: Linear DC
  - Max. current requirement: Average 120 mA DC, Peak 215 mA DC
  - Cable specification: 18 AWG 6 Conductor Stranded/Shielded
  - System Interface: Wiegand
  - Cabling Distance: Wiegand Output: 152m
  - Operating Temperature: -35 to 67 C
  - Physical dimensions (HWD): 14.9cm x 11.4cm x 3.7cm
  - Weight: 499gm
  - Material: PBT Polymer
  - Color Options: Charcoal and Black
  - Maximum head range\*: 125kHz up to 22.8cm  
13.56 MHz  
ISO 15693: up to 15.2cm  
ISO 14443 Mifare Standard: up to 7.6cm  
ISO 14443 DESFire: Up to 6.3cm
- \*Maximum read range depends on credential type/form factor and installation conditions
- Standards and technologies supported: GE CASI ProxLite®, HID® Proximity, XceedID®, XceedID ISO-X™ SEcure Sector, Infineon my-d® Secure Sector, HID iClass® Serial Number, Infineon my-d® Serial Number, Inside Contactless PicoTag® Serial Number, ST Microelectronics® Serial Number, Texas Instruments Tag-It® Serial Number, Phillips I-Code® Serial Number, XceedID ISO-X™ SEcure Sector, Infineon my-d® Secure Sector, DESFire® Serial Number, DESFire® Sector, MIFARE® Serial Number, MIFARE® Sector



### Ingersoll Rand Security Technologies

Australia	New Zealand
16-20 Third Avenue	437 Rosebank Road
Sunshine, Victoria, 3020	Avondale, Auckland, 1026
Tel 1800 098 094	Tel 0800 477 869
Fax 1800 098 095	Fax 0800 477 868

[www.ingersollrand.com.au](http://www.ingersollrand.com.au)    [www.ingersollrand.co.nz](http://www.ingersollrand.co.nz)