Product data sheet

United Technologies
Climate | Controls | Security

ACL870SU-BSMF-B

ACL800 Biometric Swipe with MIFARE reader - Fingerprint, Stand alone, Surface mount, 100 Templates, Black

Product description

"These surface mount ACL870SU-BSMF-G readers includes a buzzer and a tri-color LED for state indication (access granted, access denied or idle). The ACL870SU-BSMF-G is capable of reading Mifare cards/fobs (13.56 MHz). It is a simple one-door standalone biometric and proximity system (or 2 doors when used with ACL870FL-PB-S). If a secure installation is needed, the reader can be connected to a ACL800FL-RU2-W remote relay unit in a secured area, whichalso plays the role of a Request-To-Exit button. The complete setup and programming can be done by swiping.

The ACL800 range

The ACL800 Series consists of all the required elements to establish a range with a state-of-the-art design. This new range, consisting of readers, stand-alone keypad readers and Request-To-Exit touch sensitive push buttons, provides all you need for a coherent look-and-feel attractive project. The product line has now expanded new biometric readers.

Card technology

The readers are compatible with the TruPortal (125 KHz) credential range and other industry standards like MIFARE Classic, - Plus, - Ultralight and - DESFire EV1/EV2. These technologies use the CSN (Card Serial Number) or UID (Unique Identifier) as credential identifier. The wiegand output (32 or 56 bit) is automatic according to the card type and ensures uniqueness of the MIFARE CSN with 4 and 7 Byte UID. The Proximity card type can be selected through DIP switches in \"HID only\

Compatibility

The ACL800 reader range is compatible with the TruPortal learn-in reader (TP-RDR-LRN) for learning-in credentials in access control panels like TruPortal. This compatibility is provided for both the 125 KHz and the 13.56 MHz credentials, while using the full wiegand format length in the management software (also with other third-party packages). There are different mounting possibilities: either flush mounted within the electrical wall sockets or surface mounted with a stylish, small, modern-looking molded design.

Details

- Indoor/outdoor
- Dust proof and water-resistant (IP65)
- Attractive and timeless design
- Includes a buzzer
- Tri-color LED's
- Surface mount
- Compatible with the TruPortal learn-in reader (TP-RDR-LRN)
- Backlight illumination
- Simple one-door standalone biometric and proximity system
- Reader programming is quick and easy

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Technical specifications

Technology

Reader type	Smart Card
Reader operating-transmitting frequency	13.56 MHz
Supported technology 13.56 MHz	MIFARE Classic (CSN), MIFARE DESFire (CSN), MIFARE DESFire EV1 (CSN), Mifare DESFire EV2 (CSN), MIFARE Plus (CSN), MIFARE Ultralight (CSN)
Mifare type	ISO14443A
No. of Mifare bytes CSN	4 Byte (S50), 7 Byte (S70)

System

Max. reader distance to panel	50 m
RTE (Request To Exit)	Yes
CSN (Card Serial Number)	Yes
No. of LEDs	3
No. of covers included	1

Biometric

Biometric type	Fingerprint
Biometric template storage size	100 fingerprints
Biometric Sensor Type	Swipe Capacitive
Programming	1x Admin and 1x Installer finger

Interface & connections

Connector type	Pigtail
Pigtail length	100 cm
Output	One relay NO/NC contacts
Output maximum current	2A, 24 VAC/VDC

Tamper type

Pry-off tamper	No
Opening tamper	Yes

Operation

Stand-alone	Yes
Stand-alone no. of users	100
PIN keypad	No
Green LED	Potential Free
Red LED	Potential Free
Orange LED	Idle mode
Illumination	Blue backlight (programmable on/off control)
Buzzer	1
Door time	Pulse (1-30 s) or Toggle (ON/OFF)
Entry mode	Finger or Card

Support

Language installation manual	English

Electrical

Power supply type	VDC
Power supply value	9 to 14 VDC
Current consumption	150 mA at 12 VDC max

Physical

Physical dimensions	100 x 94 x 30 mm
Net weight	300 g
Shipping weight	310 g
Colour	Black
Material	ABS
Form factor	Oversized
Mounting type	Surface Mount

Environmental

Operating temperature	-20 to +50°C
Storage temperature	-20 to +50°C
Relative humidity	5% to 93% RH noncondensing
Environment	Indoor / Outdoor

Standards & regulation

Compliancy	CE, RoHS

As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

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