⚙ **United Technologies**

Climate | Controls | Security

ACL800FLW-RDMF

ACL800 MIFARE reader - Wiegand, Flush mount, Electronic only (no frame included)

Product description

These flush mount Mifare readers are designed to fit a DIN electrical back box and are available in three different color finishes. It includes a buzzer and a tri-color LED for state indication (access granted, access denied or idle). The ACL800FLW-RDMF is capable of reading Mifare cards/fobs (13,56MHz).

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", "HID and EM", "HID and Casi", "Casi only" or "EM only" and Wiegand outputs automatically according to the card type.

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.
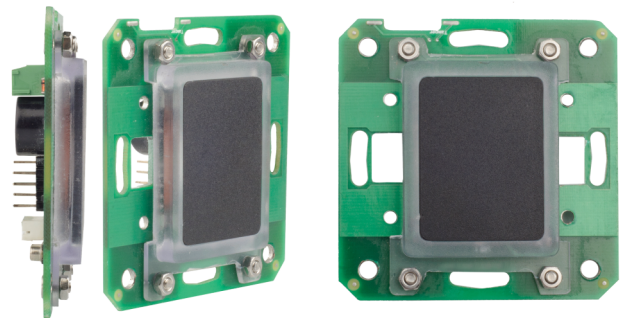
Details

- Indoor
- IP40
- Attractive and timeless design
- Includes a buzzer
- Tri-color LED's
- Flush mount
- Replaceable cover frames available in multiple colors to easily blend into a contemporary lifestyle
- The cover frames are available in single or dual, vertical or horizontal to combine different technologies side-by-side
- The built-in tamper construction provides additional pry-off security
- Compatible with the TruPortal learn-in reader (TP-RDR-LRN)

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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)
Read write	No
SAM module embedded	No
Communication Protocols	Wiegand 26, 34, 58 bits (programmable by card)

System

Max. reader distance to panel	50 m
RTE (Request To Exit)	No
CSN (Card Serial Number)	Yes
Custom data model	No
No. of LEDs	3

Interface & connections

Interface	Wiegand
Connector type	Terminal Strip

Tamper type

Pry-off tamper	Yes
Opening tamper	Yes
Tamper Protection	When open or dismantled

Operation

Stand-alone	No
PIN keypad	No
Green LED	Potential Free
Red LED	Potential Free
Orange LED	Idle mode
Buzzer	1

Support

Language installation manual	English

Electrical

Power supply type	VDC
Power supply value	9 to 14 VDC
Current consumption	100 mA at 12 VDC max

Physical

Physical dimensions	80 x 80 x 9 mm
Net weight	50 g
Shipping weight	120 g
Material	ABS
Form factor	EMEA gangbox
Mounting type	Flush Mount

Environmental

Vandal proof	No
Storage temperature	-20 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor

Standards & regulation

Compliancy	CE, RoHS

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