ACL800SUW-RDMF Surface Mount Mifare Reader Installation Sheet



Description

These surface mount proximity readers include a buzzer and a tri-color LED for state indication (access granted, access denied or idle).

ACL800SUW-RDMF has automatic Wiegand output (32 or 56 bit) and is capable of reading Mifare cards/fobs (13.56 MHz).

Mounting

Figure 1: Mounting instructions



Wiring

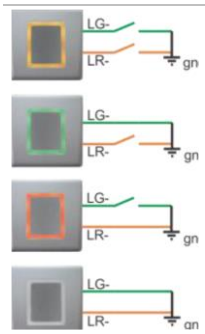
Figure 2: Wiring instructions



1	tamp	Grey	Tamper
2	tamp	Blue	Tamper
3	LG−	Yellow	LED Green minus
4	LR−	Orange	LED Red minus
5	GND	Black	Ground
6	+12 V	Red	9 to 14 VDC
7	D0	Green	Data 0
8	D1	White	Data 1

Tricolor LED and DIP switch LED

Figure 3: LED



Orange (Idle Mode): “LG−” and “LR−” not connected

Green: “LG−” connected to GND

Red: “LR−” connected to GND

No light: “LG−” and “LR−” connected to GND

Backlight and Buzzer

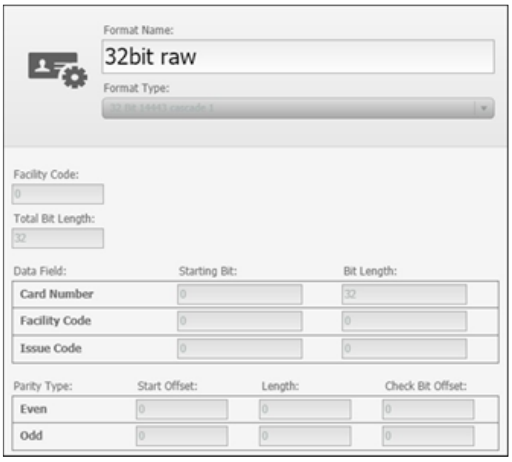
1. Backlight in idle mode ON/OFF
2. Buzzer on read card ON/OFF



Settings in TruPortal software

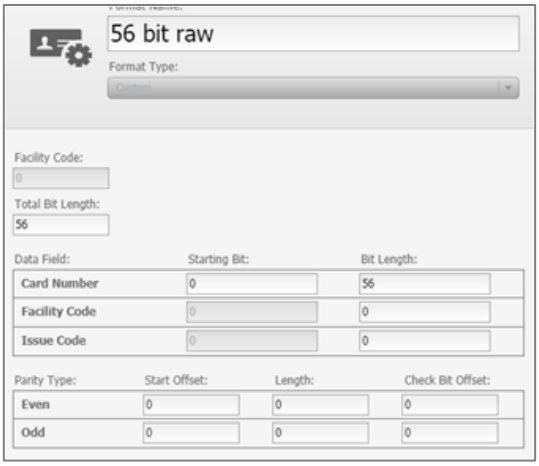
Go to System Administration > Card formats. Create custom Wiegand format for Wiegand 56 bit and Wiegand 32 bits.

The reader will send the Wiegand format according to the card format. If the card presented has 56-bit number, the reader will send Wiegand 56 bit. If the card presented has 32-bit number, the reader will send Wiegand 32 bit.



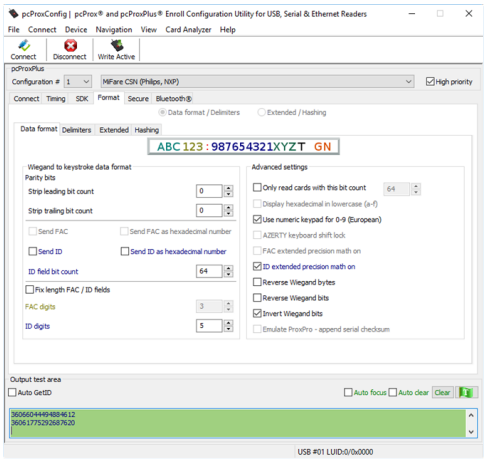
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Settings in pcProxConfig software

Select Mifare CSN (Philips, NXP) as card type. Use these settings in the pcProxConfig software when reading Mifare card via the TP-RDR-LRN desktop reader.



Specifications

Operating voltage	9 to 14 VDC
Current consumption	150 mA at 12 VDC
Wiegand Interface	Wiegand 32 or 56 bit, according to the ID length of the card
Wiegand 32 description	32 data bits Pulse width: 100 µs Pause: 1 ms
Wiegand 56 description	56 data bits Pulse width: 100 µs Pause: 1 ms
Operating frequency	13.56 MHz
Card technology	CSN only for the technology: Mifare Classic, Mifare Plus, Mifare Ultralight, Mifare DESFire
Read Range	Up to 6 cm, depending on the card type
Buzzer ON/OFF	Yes, by DIP switch
LED	Tricolor
LED control	Yes, by wires
Backlight ON/OFF	Yes, by DIP switch
Tamper	Yes
Cable distance	50 m according to Wiegand standard
Panel connection	Cable, 1 m
Material of design housing	ABS
Dimensions (W x H x D)	51 x 92 x 27 mm
Operating Temperature	−20 to +50°C
Relative humidity	0 to 95% noncondensing
Shipping weight	120 g
Product weight	50 g

Regulatory information

Manufacturer	KGS Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands
Product warnings and disclaimers	THESE PRODUCTS ARE INTENDED FOR SALE TO AND INSTALLATION BY QUALIFIED PROFESSIONALS. KGS FIRE & SECURITY CANNOT PROVIDE ANY ASSURANCE THAT ANY PERSON OR ENTITY BUYING ITS PRODUCTS, INCLUDING ANY “AUTHORIZED DEALER” OR “AUTHORIZED RESELLER”, IS PROPERLY TRAINED OR EXPERIENCED TO CORRECTLY INSTALL FIRE AND SECURITY RELATED PRODUCTS. For more information on warranty disclaimers and product safety information, please check https://firesecurityproducts.com/policy/product-warning/ or scan the QR code.
	CE
European Union directives	KGS Fire & Security hereby declares that this device is in compliance with the applicable requirements and provisions of all applicable rules and regulations, including but not limited to the Directive 2014/53/EU. For more information see: firesecurityproducts.com
REACH	Product may contain substances that are also Candidate List substances in a concentration above 0.1% w/w, per the most recently published Candidate List found at ECHA Web site. Safe use information can be found at https://firesecurityproducts.com/en/content/intrusion-intro
	2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: recyclethis.info
Product documentation	Please consult the following web link to retrieve the electronic version of the product documentation. This link will guide you to the EMEA regional contact page. On this page you can request your login to the secured web portal where all manuals are stored. https://firesecurityproducts.com/en/contact

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