

# LNL-R50315-01TB

## Lenel Readers - 5000 Series - Standard - 125kHz/13.56MHz 32bit, with Keypad - Terminal strip - Black - Wiegand

### Introduction

---

The Lenel Readers - 5000 Series multi-technology readers combine the latest developments in the smart card industry with a modern and timeless design. Their robustness and backward compatibility make them ideally suited for a wide variety of application environments and weather conditions.

### Supported technologies

---

The Lenel Readers - 5000 Series multi-technology (125 kHz and 13.56 MHz) readers are able to read EM4200, EM4102, HID Prox, GE ProxLite/CASI Prox, ISO14443A/B CSN, MIFARE Classic, MIFARE DESFire 0.6, MIFARE DESFire EV1, MIFARE Plus and NFC credentials. The readers support both AES128 encrypted sector reading, as well as card serial number (CSN) reading. In addition, each reader has a selectable output format going from Clock&Data to Wiegand, OSDPv1 or OSDPv2 (SCP). This allows this reader platform to be implemented into a multitude of scenarios while ensuring to be future-proof. Switching between reading and output modes can be obtained with the Lenel Reader Tool.

### Appearance & form factors

---

The Lenel Readers - 5000 Series multi-technology readers are available in one form-factor only: Standard (EMEA Gang box). This reader model is available in black or white and with or without keypad. By default, the LED's will be controlled by the host or by wire (Wiegand).. Any deviation can be easily configured using the intuitive Lenel Reader Tool.

### Extensive standard feature-set

---

The standard feature-set of the Lenel Readers - 5000 Series multi-technology readers entails a built-in SAM module, tamper switch, tamper screw and heater. The heater will be automatically activated as soon as the internal reader temperature drops below 1°C. This ensures continuity in harsh environmental conditions.



### Details

---

- Attractive and timeless design
- Future-proof and flexible platform
- Embedded SAM-module & heater
- Distinct and configurable LED indicators
- Suited for indoor and outdoor use

# LNL-R50315-01TB

## Lenel Readers - 5000 Series - Standard - 125kHz/13.56MHz 32bit, with Keypad - Terminal strip - Black - Wiegand

### Technical specifications

#### Technology

Reader type	Smart Card
Supported technology 13.56 MHz	MIFARE Classic (CSN), MIFARE Classic (custom data), MIFARE DESFire EV1 (CSN), MIFARE DESFire EV1 (custom data), MIFARE UltraLight, NFC
Mifare type	ISO14443A, ISO14443B
Read write	Yes
SAM module embedded	Yes

#### System

Reading distance	2 - 8 cm (depending on environmental conditions and card technology)
RTE (Request To Exit)	No
CSN (Card Serial Number)	Yes
Custom data model	Yes
No. of LEDs	3
No. of covers included	1

#### Interface & connections

Interface	Clock-data, OSDP V1, OSDP V2, OSDP V2 Secure Channel, Wiegand
Connector type	Terminal Strip

#### Tamper type

Pry-off tamper	Yes
Opening tamper	Yes

#### Operation

Stand-alone	No
PIN keypad	Yes
PIN length	12

#### Support

Language installation manual	English
------------------------------	---------

#### Electrical

Power supply type	VDC
Power supply value	9 - 30 VDC
Current consumption	30 mA at 24 VDC (Idle mode)

#### Physical

Physical dimensions	110 x 80 x 29 mm
Net weight	201 g
Shipping weight	290 g
Colour	Black
Material	Polycarbonate
Form factor	EMEA gangbox
Mounting type	Surface Mount

#### Environmental

Operating temperature	-40 to +70°C
Storage temperature	-40 to +70°C
Relative humidity	0 to 95% noncondensing
Environment	Outdoor
IP rating	IP 65
Operating environment	-40 to +70°C
Humidity range	0 - 95% RHNC
Environmental rating	IP65
Outdoor use	Yes

#### Standards & regulation

Compliance	CE, RoHS, WEEE
------------	----------------

#### Compatibility

Reader type	Multi-frequency
Reader operating frequency	125 kHz & 13.56 MHz
Card serial number (CSN) reading	Yes
Custom data reading	Yes
Supported technologies (13.56 MHz)	MIFARE Classic, MIFARE Plus, MIFARE UltraLight, MIFARE UltraLight C, MIFARE DESFire EV1, NFC ready (ISO 18092)
Supported technologies (125 KHz)	EM4102, EM4200, GE ProxLite/CASI Prox, HID Prox
MIFARE type	ISO14443A/ISO14443B
MIFARE # bytes CSN	4 Byte (S50), 7 Byte (S70)
Typical reading distance	2 - 8 cm (depending on environmental conditions and card technology)
Read/write	Yes

#### Input/output

RTE	Yes, 4 inputs and 2 GPIO's
-----	----------------------------

#### Communication interface

Interface	Wiegand 24 - 1024
-----------	-------------------

#### Power

Power supply value	9 - 30 VDC
Typical current requirement	40 mA at 24 VDC (Idle mode)
Maximum current requirement	82 mA at 24 VDC (356 mA with heater on)

# LNL-R50315-01TB

**Lenel Readers - 5000 Series - Standard - 125kHz/13.56MHz 32bit, with Keypad - Terminal strip  
- Black - Wiegand**

## Physical characteristics

Dimensions	110 x 80 x 29 mm
Net weight	201 g
Shipping weight	290 g
Available colors	Black
Form factors	EMEA Gangbox (Standard)
Mounting type	Surface mount
Connector type	Terminal strip
PIN keypad	Yes, 12 digits with blue backlight (Auto by default)
PIN length	8-bit
Branding	Lenel
Construction material	Polycarbonate
Covers included	Yes (1)
LED	Tri-color LED (green, red and yellow)
Buzzer	Yes (4 sounds), controlled by 4 wires
Pry-off tamper	Yes
Mechanical tamper	Yes, tamper screw
Heater	Yes (activated when internal reader temperature drops below 1°C)
SAM-module	Yes

## Certification

Compliance	RoHS, CE, WEEE
------------	----------------

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.

17 July 2019 - 8:33