



Installation Manual

PROXIMITY CARD READER

KDH-C330U/H/M-BLACK

KDH-C330U/H/M-IVORY

KDH-CK330U/H/M-BLACK

KDH-CK330U/H/M-IVORY

 **KaDe**

VERSION 3.0 15-06-2020



1. Introduction



KDH-C330U/H/M-BLACK_IVORY

KDH-CK330U/H/M-BLACK_IVORY

Proximity card reader type KDH-C330 & KDH-CK330U/H/M is designed for use in access control systems. It can be installed inside or outdoors. It has a housing made of ABS plastic meets the requirements of IP66 (waterproof) and tamper protection. Reader is designed to work with controllers with Wiegand interface. The device reads the card Unique (125 kHz), HID Prox (125 KHz) and Mifare Classic (13.56 MHz). Switchable Wiegand format and two-color housing mean that this product is universal for various installations. The range of the proximity card reading is from 2 to 10 cm depending on the type of card.

Characteristics reader

- For cooperation with controllers with Wiegand port
- Proximity card types - Unique and HID Prox 26 bits (125 kHz)
Mifare Classic (13.56 MHz)
- Available model with keypad for PIN+card option (KDH-CK330)
- Waterproof, meets the requirements of IP66
- Built-in tamper switch the type of LDR - activates the buzzer
- Built-in sounder and optical-red / green LED
- Power supply 12 VDC

Technical specifications

Name of parameters or function	Parameters value or description
- Supply power	12 VDC +/- 10%
- Current load : KDH-C330U/H/M / KDH-CK330U/H/M	< 25 mA / < 35 mA
- Proximity card read range	Od 2 do 10 cm (depend of card type)
- Card type	UNIQUE, HID Prox (125 kHz), Mifare (13,56 MHz)
- switched Wiegand card format - switched Wiegand keypad format (only for model KDH-CK330)	26/34 (Unique, Mifare), 26 i 37 (HID Prox) auto. 4/8 bits
- Wiegand port	D0, D1
- Environments	For indoor and outdoor, IP66
- Operating temperature range	Od -40°C do +60°C
- Operating humidity range	10% - 95% RH
- Dimensions: KDH-C330U/H/M KDH-CK330U/H/M	120 x 48 x 20 mm 122 x 50 x 21 mm

Wiring Diagram

Red	+12V DC
Black	GND
Green	D0
White	D1
Brown	LED
Yellow	Buzzer

Change card Wiegand output format procedure (only for model KDH-CK330):

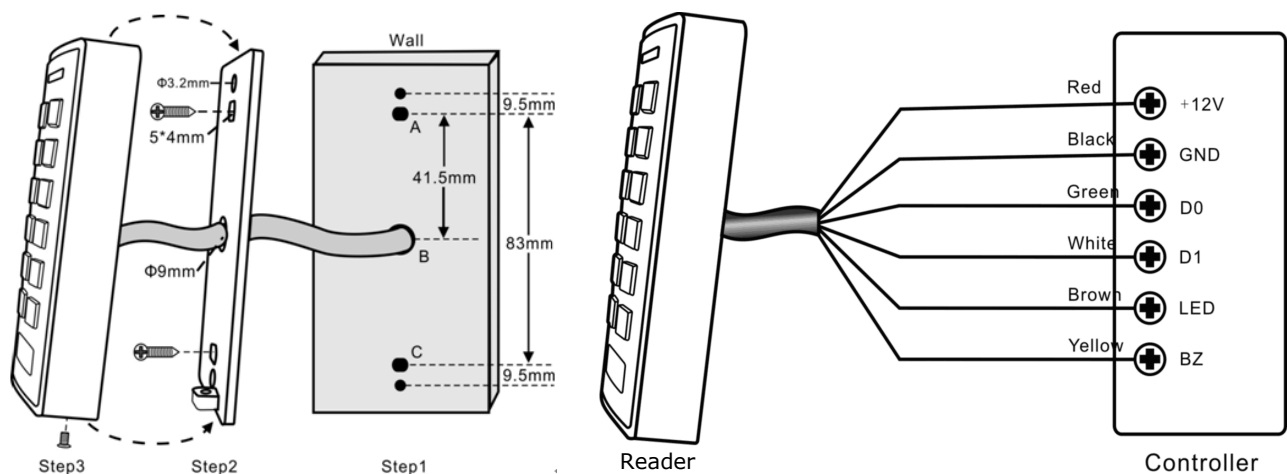
- 26 bit Wiegand (Unique, Mifare) - * 8 8 8 8 8 8 # 7 2 **26** # * * - exit
- 34 bit Wiegand (Unique, Mifare) - * 8 8 8 8 8 8 # 7 2 **34** # * * - exit
- 26 & 37 bits (HID Prox) - automatic, depend of card number

Change PIN output format procedure:

- Virtual card number format - * 8 8 8 8 8 8 # 7 3 0 # * * - exit
- 4 bit format (KaDe) - * 8 8 8 8 8 8 # 7 3 1 # * * - exit
- 8 bit format (Kantech) - * 8 8 8 8 8 8 # 7 3 2 # * * - exit

READER INSTALLATION

- ◆ Separate the back cover with holes and use as a template
- ◆ Drill 2 holes (A, C) in the wall of the bolt and one under the cable
- ◆ Insert the bolt holes (A, C) attached dowels
- ◆ Screw the rear part of the housing to the wall using the screws
- ◆ Bring out the controller cables through the hole (B)
- ◆ Mount the reader on the base and secure it from below with a special screw



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