KDH-C/CK130M-B-III - Short operating and installation manual

THE PRODUCT MEETS THE REQUIREMENTS CONTAINED IN THE FOLLOWING DIRECTIVES:

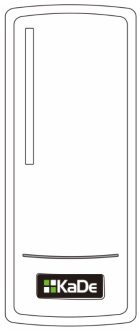
Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast) Text with EEA relevance.

Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits Text with EEA relevance.

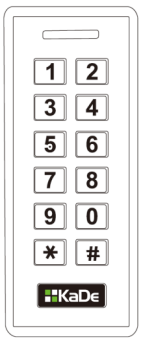
Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) Text with EEA relevance

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment Text with EEA relevance

1. Introduction



KDH-C130M-B/W-III



KDH-CK130M-B/W-III

Proximity card reader type KDH-C130M-B/W-III, KDH-CK130M-B/W-III 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).

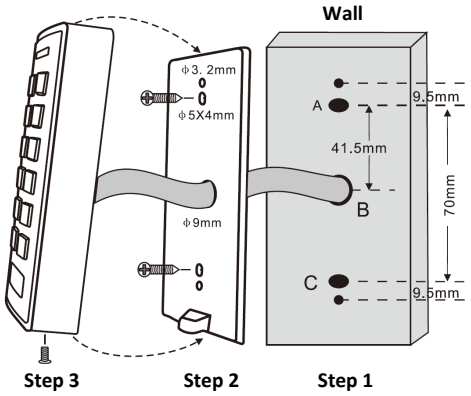
Reader is designed to work with controllers with Wiegand interface. The device reads the card mifare classic, plus, desfire (13.56 MHz). Switchable Wiegand format and two-color housing mean that this product is universal for various installations. The range of the proximity card reading is from 2 to 10 cm depending on the type of card.

Characteristics reader :

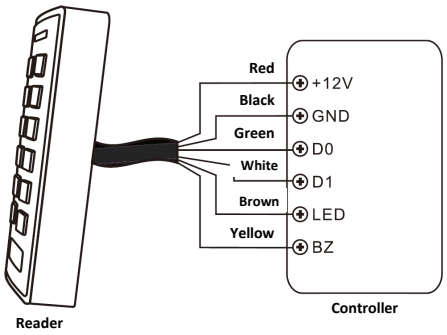
- For cooperation with controllers with Wiegand port
- Proximity card types - mifare classic, plus, desfire (13,56 MHz).
- Available model with keypad for PIN+card option (KDH-CK130M-B/W-III)
- Waterproof, meets the requirements of IP66
- Built-in acoustic and optical alarm device — red/green LED

2. Reader Instalation

- 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



3. Wiring connection diagram



Kolor	Opis
Red	Power + 12 VDC
Black	Ground (GND)
Green	Wiegand Data 0
White	Wiegand Data 1
Brown	LED
Yelloy	Buzz

4. Technical specification

Name of parameters or function	Parameters value or description
Supply power	12 VDC +/- 10%
Current load: KDH-C130 / KDH-CK130	< 25 mA / 35 mA
Proximity card read range	From 2 to 10cm (depend of card type)
Card type	mifare classic, plus, desfire (13,56 MHz)
Wiegand format	26, 32, 34, 56, 58 bits
Switched Wiegand card format - only for model KDH-CK130M-B/W-III	4/8 bits
Wiegand port	D0, D1
Environments	For indoor and outdoor, IP66
Operating temperature range	From –40°C to +60°C
Operating humidity range	10% - 95% RH
Dimensions: KDH-C130UHM KDH-CK130UHM	120 x 48 x 20 mm 122 x 50 x 21 mm

5. Configuration

For readers with keyboards KDH-CK130M-B/W-III		
When enter program mode, please press * for 5 seconds and press Master Code - **default code 123456 #**		
Change Wiegand output format for mifare cards (default 34 bits)		
Programming	Keystroke Combination *(Master Code)#	
Format 26, 32, 34, 56, 58 bits	**3** (26,32,34,56,58) # *	
Change the output format for the keyboard (default 4 bits)		
Programming	Keystroke Combination *(Master Code)#	
Virtual Card Number	**4** (0) # *	
4 bits format (KaDe, HID)	**4** (4) # *	
8 bits format (Kantech)	**4** (8) # *	
LED and buzzer configuration		
Programming	Keystroke Combination *(Master Code)#	
ON/OFF LED and buzzer	**LED 5** (1) /**5** (2) # *	BUZZ **5** (3)/**5** (4) # *
ON/OFF Keypad backlight, automatic OFF after 20 secound of inactivity	**5** (5) # * / **5** (5) # *	

For readers without keypads KDH-C130M-B/W-III	
Change Wiegand output format for mifare cards (default 34 bits)	
Turn off the power to the reader, connect the **brown** wire to GND, turn on the power, you will hear 1 to 6 beeps, disconnect the brown wire.	
Hear 1 beep	26 bits
Hear 2 beeps	32 bits
Hear 3 beeps	34 bits
Hear 4 beeps	34 / 56 bits
Hear 5 beeps	58 bits
Hear 6 beeps	56 bits