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

THE PRODUCT MEETS THE REQUIREMENTS CONTAINED IN THE FOLLOWING DIRECTIVES:

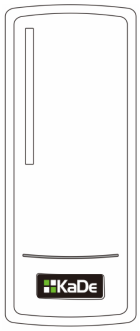
Directive 2014/30/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility (recast) Text with EEA relevance.

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.

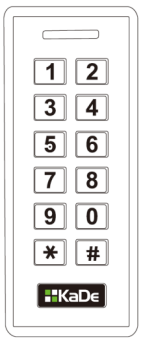
Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) Text with EEA relevance

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).

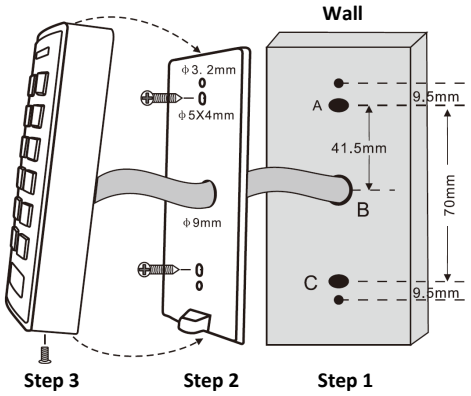
Reader is designed to work with controllers with Wiegand interface. The device reads the card mifare classic, plus, desfire (13.56 MHz). Switchable Wiegand format and two-color housing mean that this product is universal for various installations. The range of the proximity card reading is from 2 to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

Characteristics reader :

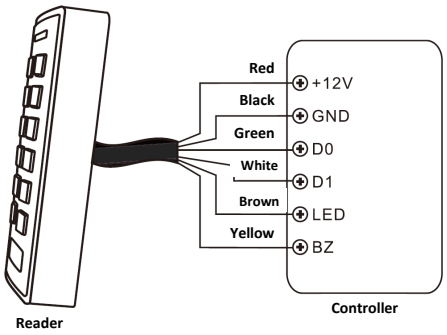
- For cooperation with controllers with Wiegand port
- Proximity card types - mifare classic, plus, desfire (13,56 MHz).
- Available model with keypad for PIN+card option (KDH-CK130M-B/W-III)
- Waterproof, meets the requirements of IP66
- Built-in acoustic and optical alarm device — red/green LED

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

Information
The device, as a part of professional access control system used for surveillance and control, is not designed for self-installation in households by individuals without technical knowledge.

WARNING!
PRIOR TO UNDERTAKING ANY ACTION THAT IS NOT DESCRIBED FOR THE GIVEN PRODUCT IN USER'S MANUAL AND OTHER DOCUMENTS DELIVERED WITH THE PRODUCT, OR IF IT DOES NOT ARISE FROM THE USUAL APPLICATION OF THE PRODUCT, MANUFACTURER MUST BE CONTACTED UNDER THE RIGOR OF EXCLUDING THE MANUFACTURER'S RESPONSIBILITY FOR THE RESULTS OF SUCH AN ACTION.

WARNING!
THE KNOWLEDGE OF THIS MANUAL IS AN INDESPENSIBLE CONDITION OF A PROPER DEVICE OPERATION. YOU ARE KINDLY REQUSTED TO FAMILIRIZE YOURSELF WITH THE MANUAL PRIOR TO INSTALLATION AND FURTHER DEVICE OPERATION.

WARNING!
USER IS NOT ALLOWED TO DISASSEMBLE THE CASING AS THERE ARE NO USER-SERVICEABLE PARTS INSIDE THIS UNIT. ONLY AUTHORIZED SERVICE PERSONNEL MAY OPEN THE UNIT INSTALLATION AND SERVICING SHOULD ONLY BE DONE BY QUALIFIED SERVICE PERSONNEL AND SHOULD CONFORM TO ALL LOCAL REGULATIONS

WARNING!
INFORMATION IN THIS MANUAL IS SUBJECT TO CHANGE WITHOUT NOTICE. THE COMPANY AAT SYSTEMY BEZPIECZENSTWA SP. Z O.O. RESERVES THE RIGHT TO EXPLANATE AND UPDATE THE INFORMATION CONTAINED IN THIS DOCUMENT.

IMPORTANT SAFEGUARDS AND WARNINGS:

1. Prior to undertaking any action please consult the following manual and read all the safety and operating instructions before starting the device.
2. Please keep this manual for the lifespan of the device in case referring to the contents of this manual is necessary;
3. All the safety precautions referred to in this manual should be strictly followed, as they have a direct influence on user's safety and durability and reliability of the device;
4. All actions conducted by the servicemen and users must be accomplished in accordance with the user's manual;
5. The device should be disconnected from power sources during maintenance procedures;
6. Usage of additional devices and components neither provided nor recommended by the producer is forbidden;
7. Mounting the device on unstable surface or using not recommended mounts is forbidden.
8. Improperly mounted device may cause a fatal accident or may be seriously damaged itself. Device must be mounted by qualified personnel with proper authorization, in accordance with this user's manual;
9. Device should be supplied only from a power sources whose parameters are in accordance with those specified by the producer in the device's technical datasheet. Therefore, it is forbidden to supply the device from a power sources with unknown parameters, unstable or not meeting producer's requirements;
10. Signal and power cables should be placed in a way excluding the possibility of damaging them by accident. Special attention must be paid to cables getting from the device and connecting the power supply;
11. Electric installation supplying the device should be designed to meet the specifications given by the producer in such a way that overloading is impossible;
12. User cannot repair or upgrade the equipment himself. All maintenance actions and repairs should be conducted only by qualified service personnel;
13. Unplug the device from the power source immediately and contact the proper maintenance department when the following occurs:
    - Damages to the power cord or to the plug itself;
    - Liquids getting inside the device or exposure to strong mechanical shock;
    - Device behaves in a way not described in the manual and all adjustments approved by the
    - manufacturer and possible to apply by user himself, seem not to have any effect;
    - Device is damaged;
    - Atypical behaviour of the device components may be seen (heard).
14. In necessity of repairs attention to using only original replacement parts (with their parameters in accordance with those specified by the producer) should be paid. Non-licensed service and non-genuine replacement parts may cause fire or electrocution;
15. After maintenance activities tests should be run to ensure proper operation of all the functional components of the device.
16. The device is intended for use under normal or reasonably foreseeable conditions of use. Do not install the device in conditions unfavorable for electronic devices, including but not limited to the conditions with extreme temperatures, increased humidity, chemically aggressive atmosphere, presence of corrosive materials, strong electric or electromagnetic fields, dust or severe shocks. Such conditions may lead to accelerated degradation, failure or complete destruction of the device or its components.