

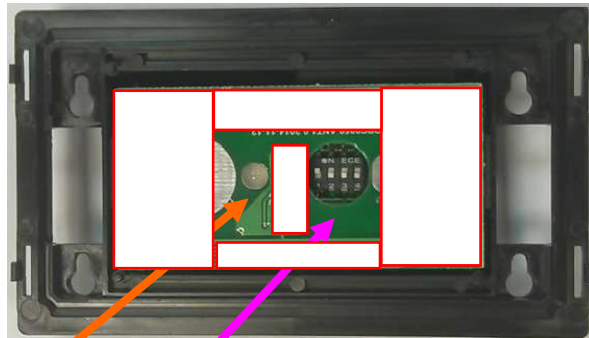
OPC0050 User Manual

Overview

This product is suitable for RFID reader, for Access Control Management System. The card reader does not store any card information. When card is sensed, data is sent to the access controller via the RS485 interface

Function Description :

- 1) Conforms to ISO 14443A and supports MIFARE card.
- 2) Provides RS-485 communication interface for long distance installation.
- 3) LED indicator:
 - Normal - blue light
 - Card recognition is correct - green light
 - Card identification is invalid - red light
 - RS485 communication failed - blue and red light flashing alternately
- 4) Voice prompts:
 - Card recognition is correct - Beep once
 - Card identification is invalid / RS485 communication failed - Beeps continuously
- 5) There is a touch button for doorbell, press to trigger the doorbell relay action; press the button for more than three seconds will trigger an emergency relay action.
- 6) 2- Relay: Used in doorbell notification and emergency notification.
- 7) Device Addressing Settings: Use a DIP 4-Switch method to address card readers. The upper limit of card reader is 16.



LED indicator

DIP SW1~4 Device address setting :(1: ON, 0: OFF)

Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DIP 1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
DIP 2	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0
DIP 3	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0
DIP 4	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0

8-Pin Terminal Wire

	Name	Wire color	Function Description
1	L+	Blue	RS485 L+
2	L-	White	RS485 L-
3	+12	Red	INPUT 12V
4	G	Black	RS485 GND
5	C1	Yellow	RELAY1 COM
6	NO1	Yellow	RELAY1 NO
7	C2	Green	RELAY2 COM
8	NO2	Green	RELAY2 NO

Product Appearance :

Front View



Back View



OPC-0050 Specification

Model No.	OPC0050
Read Format	ISO/IEC14443A/MIFARE
Read Range	3-5cm (max)
Input Ports	1 Sensitive Touch Keypad
Output Port	Relay x 2 (contact rating relay 30Vdc/1A)
LED Indicator	Power / Comm.
Beep Tone	Buzzer
Power Input	DC 12V(10V~15V) / 1A
Current Consumption	Max 100mA.
Comm. Interface	RS-485
Comm. Baudrate	RS-485 : 9,600
Operating Temp.	0° C ~ 55° C / 32° F ~ 131° F
Relative Humidity	20% ~ 90%
Dimension	115mm(L) x 70mm(W) x 28mm(H)
Weight	100g
Shell material	ABS



Cautions to the user

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This Device may not cause harmful interference
- (2) This Device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guaranty that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.