

Installation Instructions

Magnetic Swipe Reader

Part Codes: AX-5232

AX-5233

Introduction

The AX-5232 and AX-5233 are durable Magnetic Swipe readers. The units have an internal buzzer and a bi-colour LED to indicate status.

Step 1: Connect the Reader to the Controller

The AX-5232 / AX-5233 readers are compatible with any device that provides a Clock & Data (AX-5232) or Wiegand (AX-5233) interface. The standard signals and the cable core colours are shown below.



Wire Colours		
Colour	Wiegand Signal Description	Signal Direction
Yellow	Buzzer Control (optional)	From Host
Orange	Green LED Control (optional)	From Host
Blue	Card Present (if used)	To Host
White	Data / Data 1 / S1	To Host
Green	Clock / Data 0 / S0	To Host
Red	Power Supply +5-18Vdc	From Host
Black	Ground 0v	From Host
Violet	Not Used	N/A

The AX-5232 outputs the card data in Clock & Data format (Track 2) whereas the AX-5233 outputs the card data in standard Wiegand 26Bit format. The reader must be powered by a 12 V_{dc} source, which is able to deliver 200 mA under all conditions. Where the distance from the controlling device is less than 25 metres, power may be supplied from the controller. To ensure correct communication with the controller, the data cables should not exceed 80 metres in length.

Step 2: Testing

To ensure proper operation of the reader, test the connections to the controller and power supply by referring to the following checklist.

- 1) The RED LED is on solid (normal wait state).
- 2) An allowed card swiped at the reader causes a beep and a green LED (normal allow state).
- 3) A denied card swiped at the reader causes a beep and a red LED (normal deny state).
- 4) LED is orange: There is a host communication problem. The orange LED or buzzer (or both) remain on permanently if the reader is experiencing operational problems. Check that the connections are correct and that the reader has adequate power.

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