

Installation and User Instructions for S680 & S690 Readers

The S680 and S690 readers are 125kHz proximity card readers that are capable of reading HID® format card, with LED's. The readers use 20mA current loop communications.

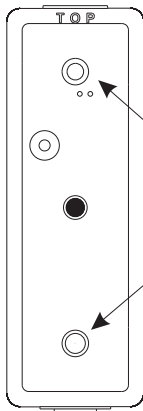
For additional information regarding the installation, configuration and proper use of this product please refer to:

M2150 Design Guide, P/N 9600-0420 Issue 1.6.4 or later and SMS Software User Guide, P/N 9600-0429 Issue 7.0.4 or later.



1 Mount the Reader

Mount the backplate using countersunk headed screws adjacent to the opening edge of the door.



You should find that the backplate has holes for connection to most standard electrical back boxes.

You can remove the front cover by easing it off gently with a screwdriver at this point

2 Reader Connections

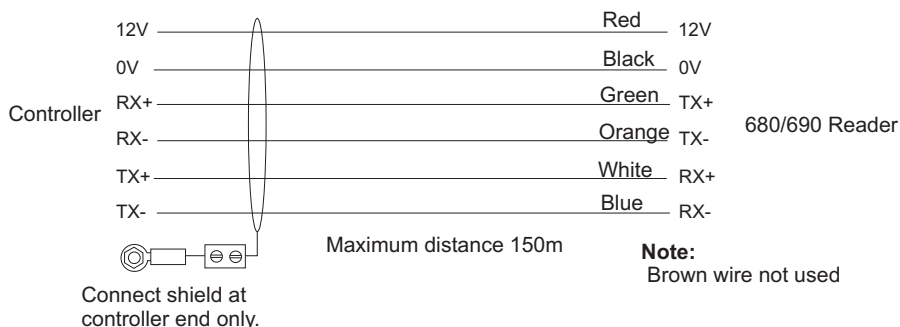
Note: (For UL Listed Products)

- 1). Consult local AHJ (Authority Having Jurisdiction) when installing access control readers and locking mechanisms to any portal in an egress path.
- 2). The use of Fail Closed / secure configuration shall be determined by local building codes and the local AHJ.
- 3). Wiring methods shall be in accordance with NEC (National Electrical Code) ANSI/NFPA 70.
- 4). All Interconnected devices must be UL listed.
- 5). For UL294 Installations the S680 and S690 Readers have only been determined compatible to be used with the M2150 Series Control and Elevator Units.

3 Reader Connections contd.

20mA current loop

Shielded Belden 9537 7x24 awg cable UL Listed style 2464 (DUZX) cable.



4 Using / Testing the Reader

Present the card face-on to the reader until you hear a "bleep". The reader is now working correctly. Cards can be presented in rapid succession; there is no need, for example, to wait for "GREEN LED's" to disappear before presenting another.

When faulted, the reader can not accept a card read. Check wiring for faults or replace reader.

LED Status Indicator

GREEN – The lock is released and you may open the door.

RED – You do not have access rights to gain entry, or the reader did not read your card properly (in this case, present it again).

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FCC Notice: 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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any unauthorized modification to this device may void the authority of the user to operate it. All trademarks acknowledged.

Specifications

Input voltage: 12Vdc.

Input current: 100mA Max.

Operating temperature: -13 to 158°F (-25 to 70°C)

Operating humidity: 90%, non-condensing.

Maximum read range: 4" (100mm).

Approvals: EN300330, EN301489

