Installation and User Instructions for S830 Readers

Model number:S830-HICLR

The S830 is a small-footprint 125kHz proximity card reader that is capable of reading HID® format cards.

The S830 uses 20mA current loop pseudo-random communications.
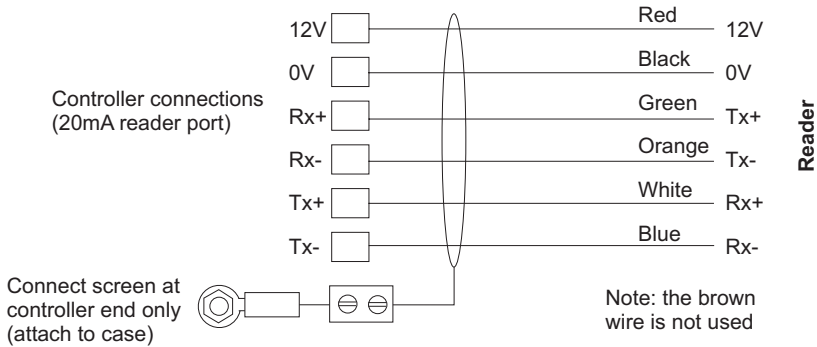

1 Mount the Backplate

To mount the backplate:

1) Detach the main body of the reader from the backplate by inserting a fingernail into the groove in the bottom edge of the reader and swinging the reader upwards.

2) Mount the backplate adjacent to the opening edge of the door and at a convenient height. Feed the cable to the reader through the backplate.

20mA Current Loop
Reader Connections

Controller connections
(20mA reader port)

12V		Red	12V
0V		Black	0V
Rx+		Green	Tx+
Rx-		Orange	Tx-
Tx+		White	Rx+
Tx-		Blue	Rx-

Reader

Connect screen at
controller end only
(attach to case)

Note: the brown
wire is not used

3   **Using the Reader**

Present the proximity card face-on to the reader until you hear a "bleep". The maximum read range is typically 2.5" (65mm). If the green indicator is lit, the card has been accepted and the door is unlocked. If the red indicator is lit, either the card has not been accepted, or you do not have access through the door.

Note: cards can be presented in rapid succession - there is no need to wait for the green or red LED to extinguish before presenting another card.

Specifications
Input voltage: 9-14V.
Input current: 75mA @ nominal 12Vdc supply.
Operating temperature: -4 to 150°F (-20 to 70°C).
Operating humidity: 15 to 90%, non-condensing.
Maximum read range: 2.5" (65mm).
Approvals: EN50133, R&TTE, IP656.