

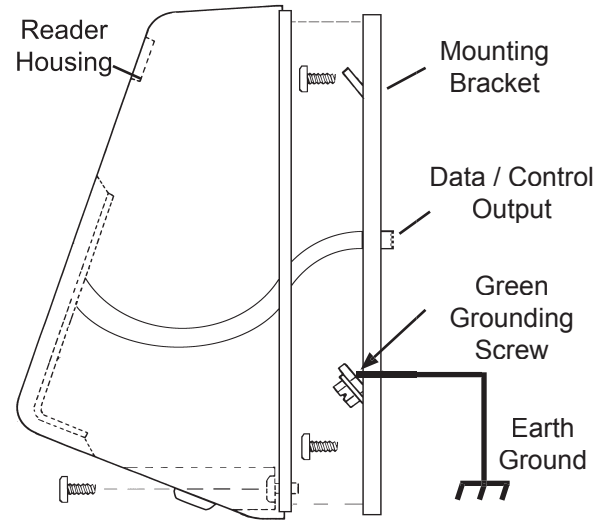
TOUCH CARD® Reader Wiring Data

Grounding Connections:

All Models: You MUST connect the Green Ground Screw on the Reader Mounting Plate to a Good Earth Ground. Use 18AWG or heavier wire, and make the connection as short as possible. Failure to do so may result in improper operation or damage to the reader.

¹ (Also applies to MH, FM, CR and IB Readers)

Surface Mount Reader, Side View (Typical) ¹



OUTPUT TYPE	2-LINE WIEGAND	RS-232	RS485/422	1-LINE WIEGAND
SUPPLY VOLTAGE	9-24 VDC	9-24 VDC	9-24 VDC	9-24 VDC
SUPPLY CURRENT	65 mA	65 mA	65 mA	65 mA

Data / Control Connections:

The tables below contain hookup instructions for the data and control wires for various TOUCHCARD® reader output formats.

SK-OxxW Wiegand Type Output	
Wire Color	Description
RED	9-24 VDC
BLACK	SIGNAL GROUND
BROWN	GREEN LED *
YELLOW	RED LED
GREEN	DATA - 0
WHITE	DATA - 1

SK-OxxR RS-232 Output	
Wire Color	Description
RED	9-24 VDC
BLACK	SIGNAL GROUND
BROWN	GREEN LED*
YELLOW	RED LED
GREEN	TXD →
WHITE	RXD ←

SK-OxxX RS-485/422 Output	
Wire Color	Description
RED	9-24 VAC
BLACK	SIGNAL GROUND
BROWN	GREEN LED*
YELLOW	RED LED
GREEN	B
WHITE	A

LED Control Options			
	SINGLE LINE LED	DUAL LINE LED	DUAL LINE LED/RED STAYS ON
RED LED ON	BROWN WIRE TO +5 VDC	YELLOW WIRE TO GND	YELLOW WIRE CONSTANT GROUND
GREEN LED ON	BROWN WIRE TO GND	BROWN WIRE TO GND	BROWN WIRE TO GND
LED OFF	BROWN WIRE FLOATING	YELLOW & BROWN WIRE FLOATING	N/A

*RED & GREEN LED ON SINGLE LINE SYSTEMS