

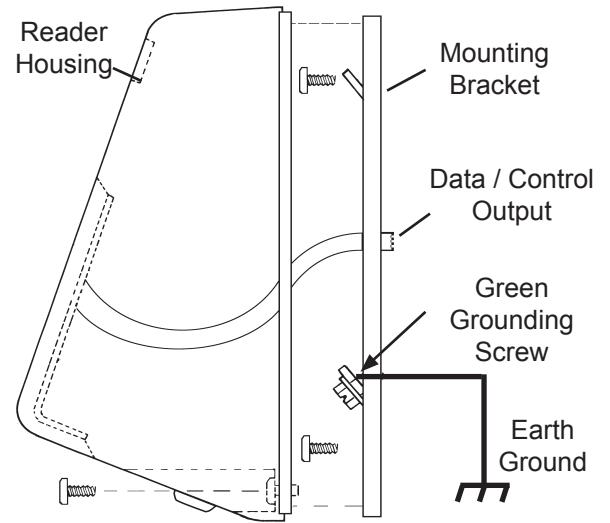
# TOUCH CARD<sup>®</sup> Reader Wiring Data

## 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.

<sup>1</sup> (Also applies to MH, FM, CR and IB Readers)

## Surface Mount Reader, Side View (Typical)<sup>1</sup>



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<sup>®</sup> 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	SIGNAL
WHITE	N/A

**SK-OxxX RS-485/422 Output**

Wire Color	Description
RED	9-24 VAC
BLACK	SIGNAL GROUND
BROWN	GREEN LED*
YELLOW	RED LED
GREEN	SIGNAL
WHITE	SIGNAL COMMON

**LED Control Options**

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

\*RED & GREEN LED ON SINGLE LINE SYSTEMS