CYPRESS

SUPREX® II
Connection Diagram

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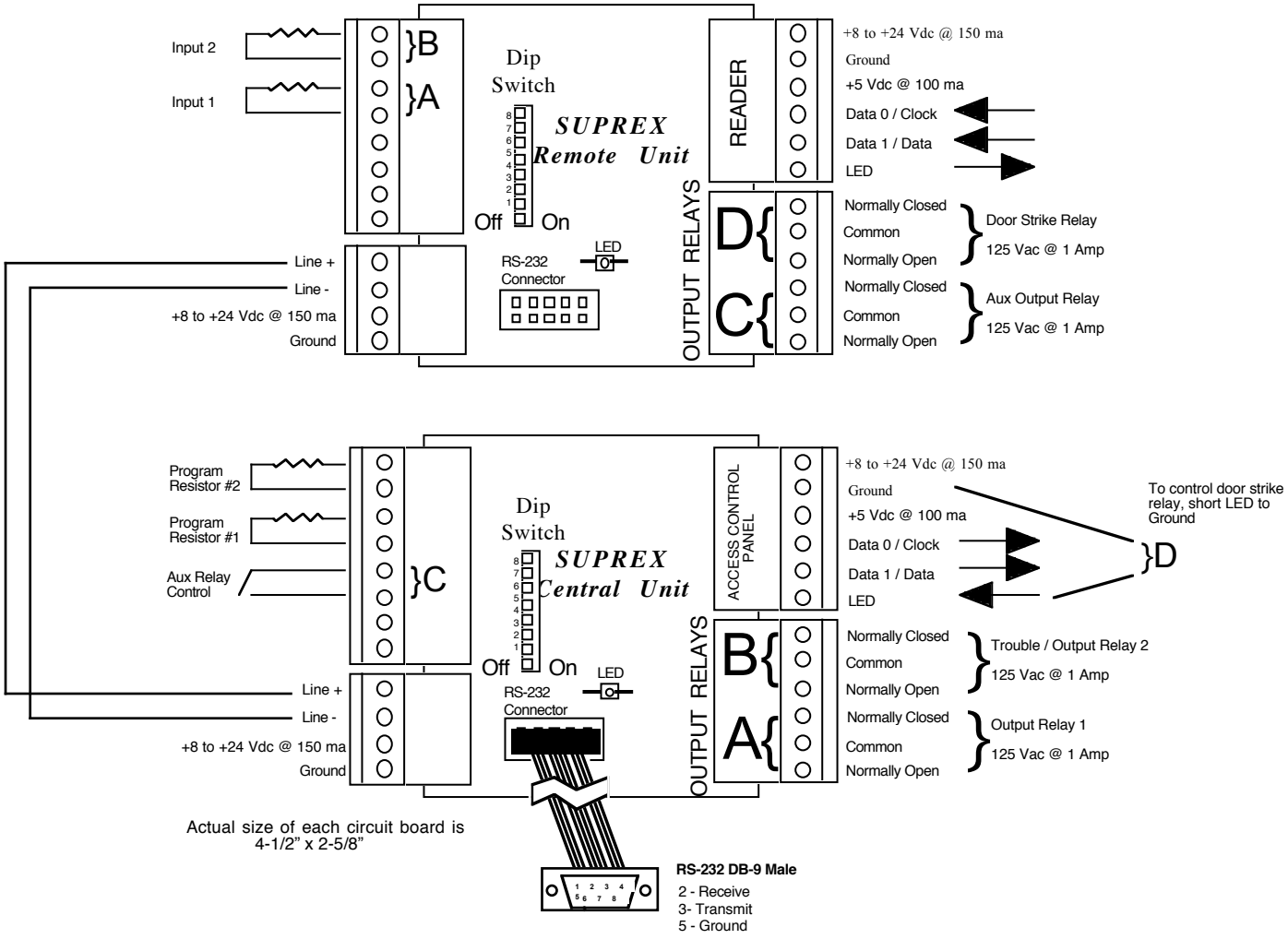


SUPREX® II Remote Unit Dip Switch Setting

Switch #2 - On = Door Strike Relay does **NOT** follow LED status.
Off = Door Strike Relay follows status of LED.

Switch #6* - On = Bit mode (Noise filter off) for keypad applications.
Off = Noise filter mode, standard reader applications
(Default setting)

SUPREX® II Central Unit Dip Switch Setting

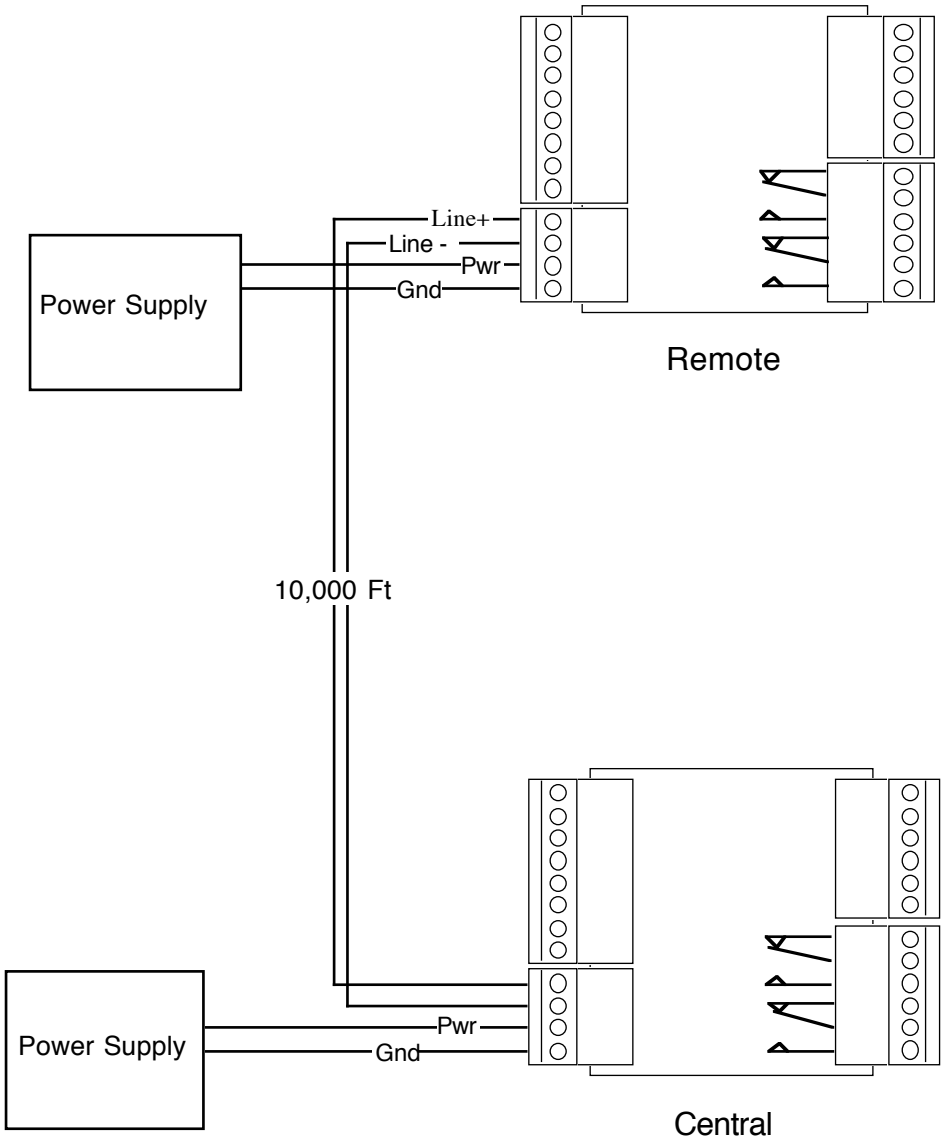
Switch #3 - On = Inverts idle on MagStripe version
Off = Normal operation of MagStripe version
Switch #4 - On = Inverts Aux 2 Relay Status
Off = Normal operation

*Not active on versions earlier than 2-1-2003

When wired and powered up corectly, LEDs on Remote and Centrol will blink 5 to 10 times per second. When there is a problem with communication between the Remote and Central, the LED on the Central will blink 2 times per second and the Remote LED will not light at all.

Part Numbers:
- SPX-2000 : Wiegand format (RS-485)
- SPX-2100 : MagStripe format (RS-485)
- SPX-2500 : Wiegand format (RS-232)
- SPX-2600 : MagStripe format (RS-232)

Typical 2-Wire Communications Installation



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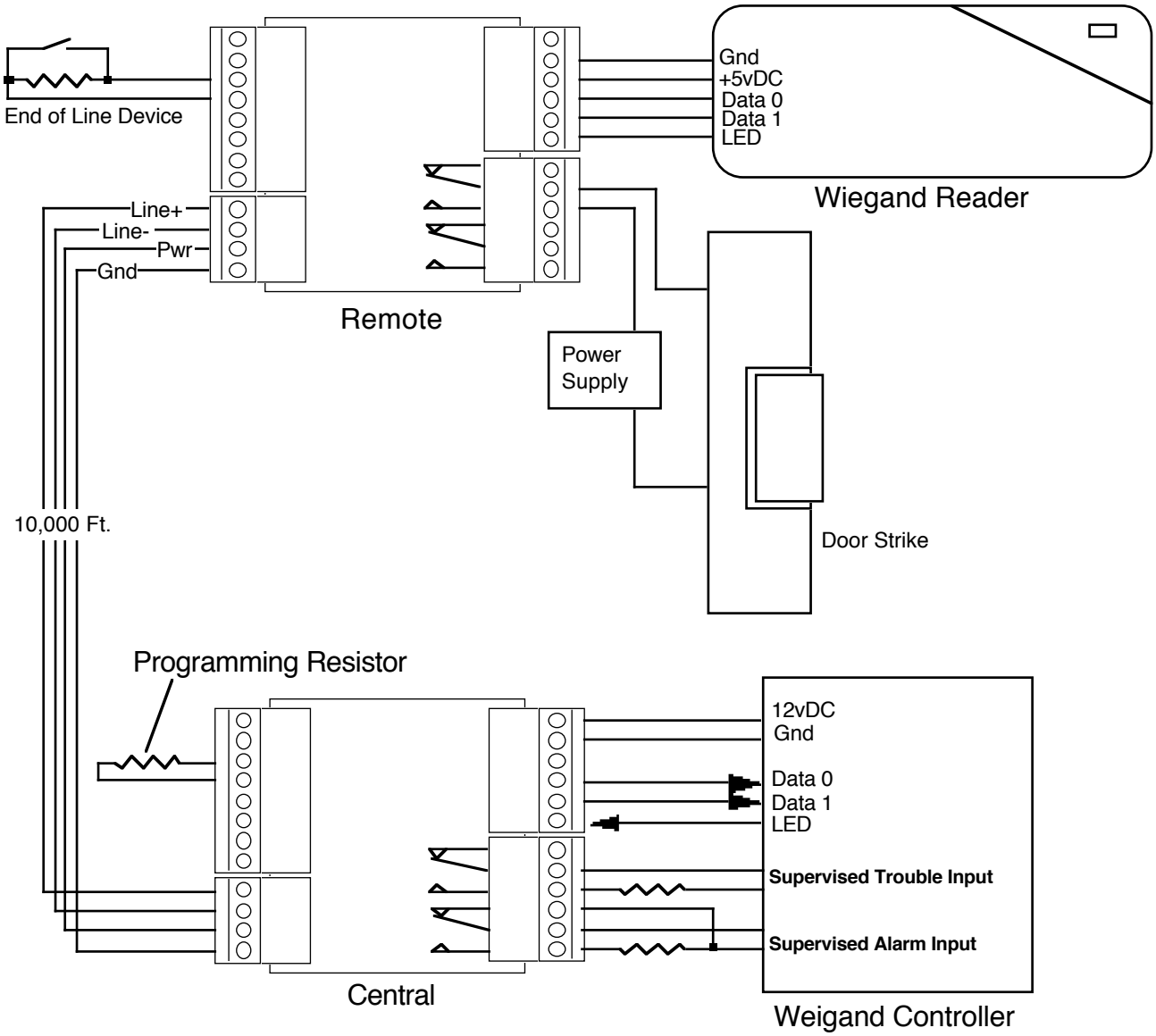
Typical 4-Wire Communications Installation with Wiegand Reader



- The Controller's LED signal changes the state of the Door Strike relay.
- The Controller's Supervised Alarm Input monitors the state of the End-of-Line Device.
- If loss of power or communication occurs, the Supervised Trouble Input will activate.
- The Programming Resistor 1 is used to calibrate the Remote Unit's Alarm Input 1 Sensor.

(Any End-of-Line value from 100 Ω to 20KΩ can be monitored by using the same value for the Programming Resistor.)

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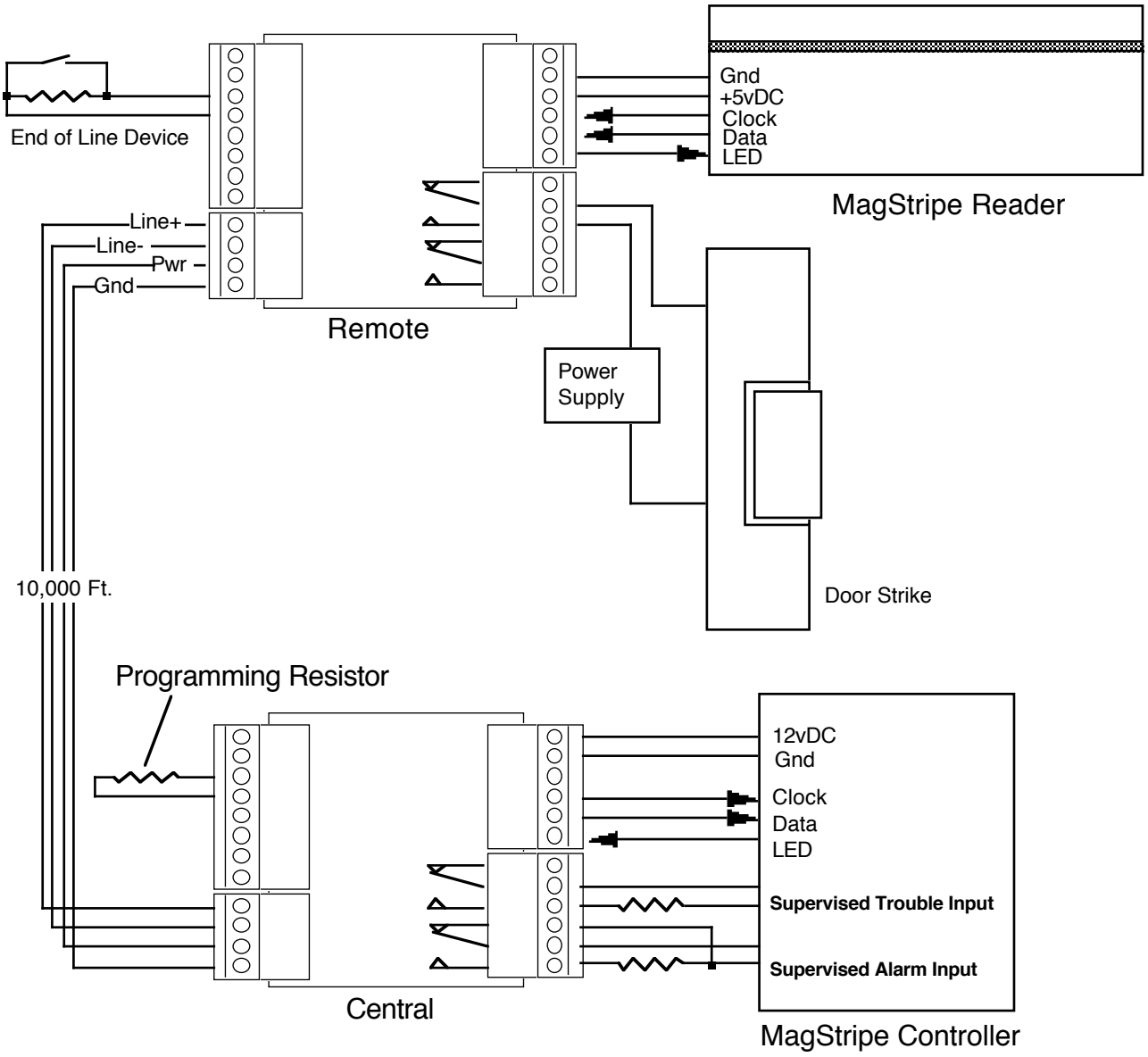
Typical 4-Wire Communications Installation with MagStripe Reader

SPX-2100 Series



- The Controller's LED signal changes the state of the Door Strike relay.
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(Any End-of-Line value from 100 Ω to 20KΩ can be monitored by using the same value for the Programming Resistor.)

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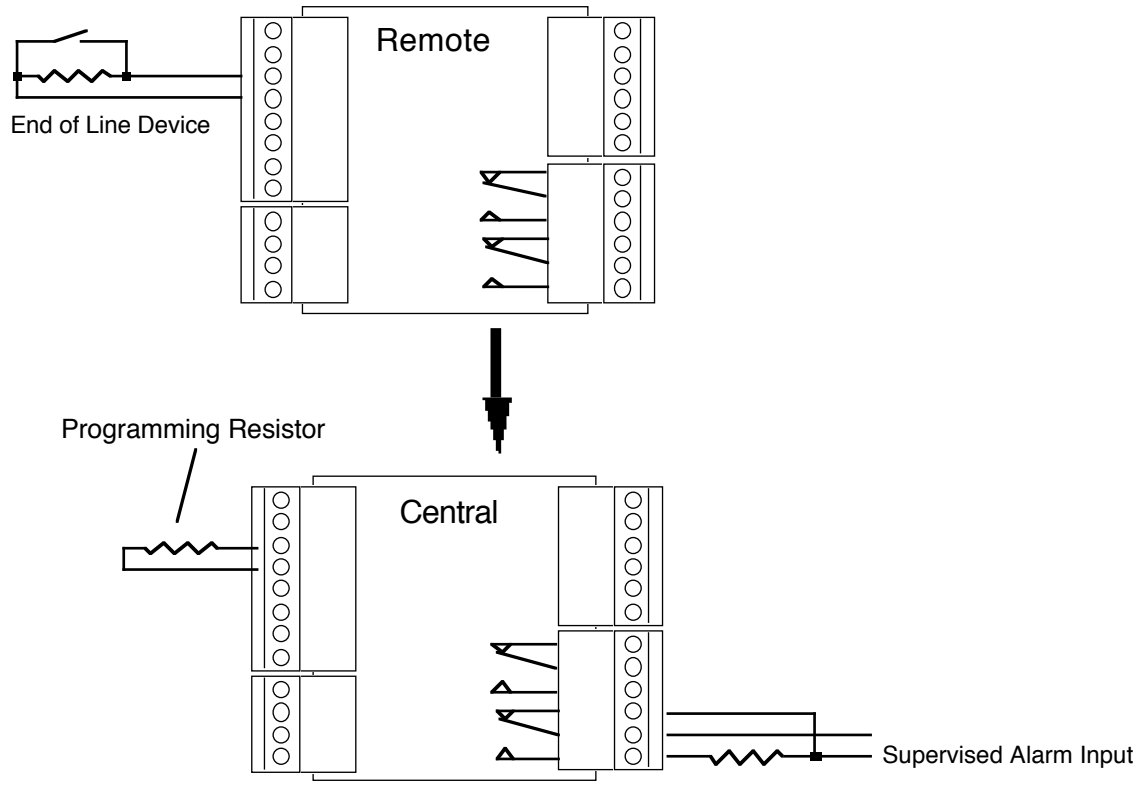
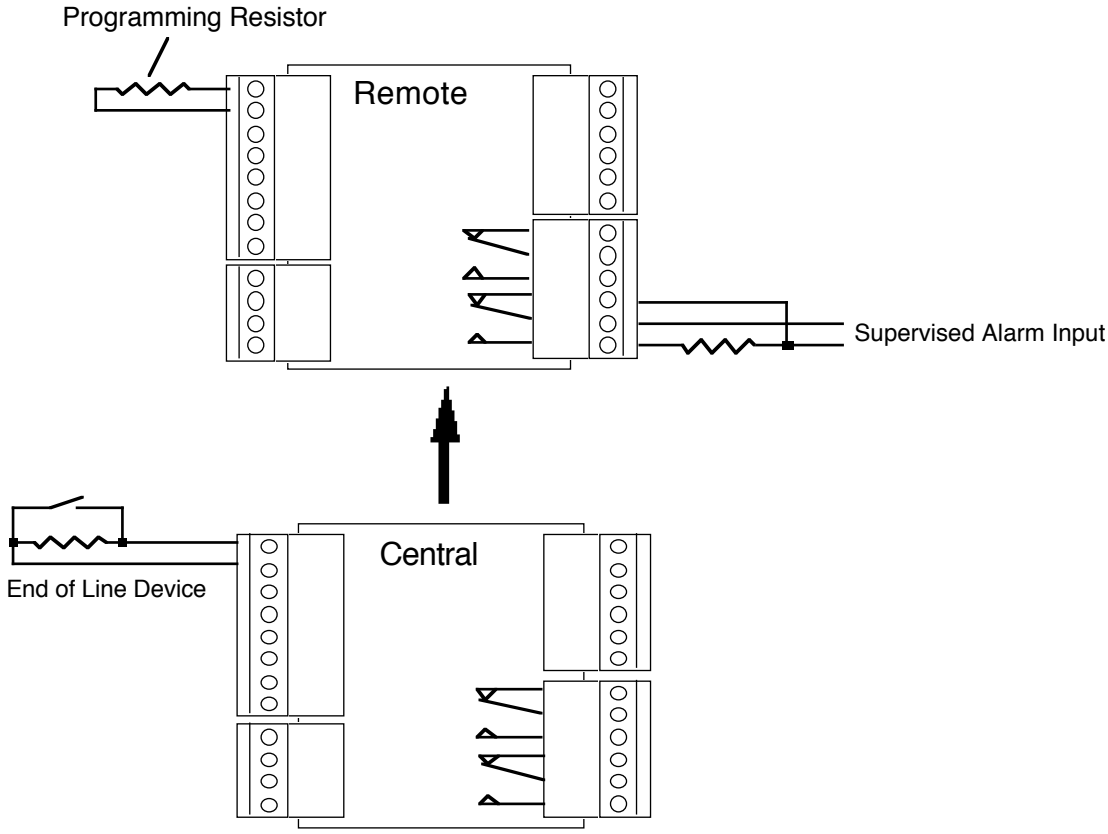
SUPERVISED Status Monitoring





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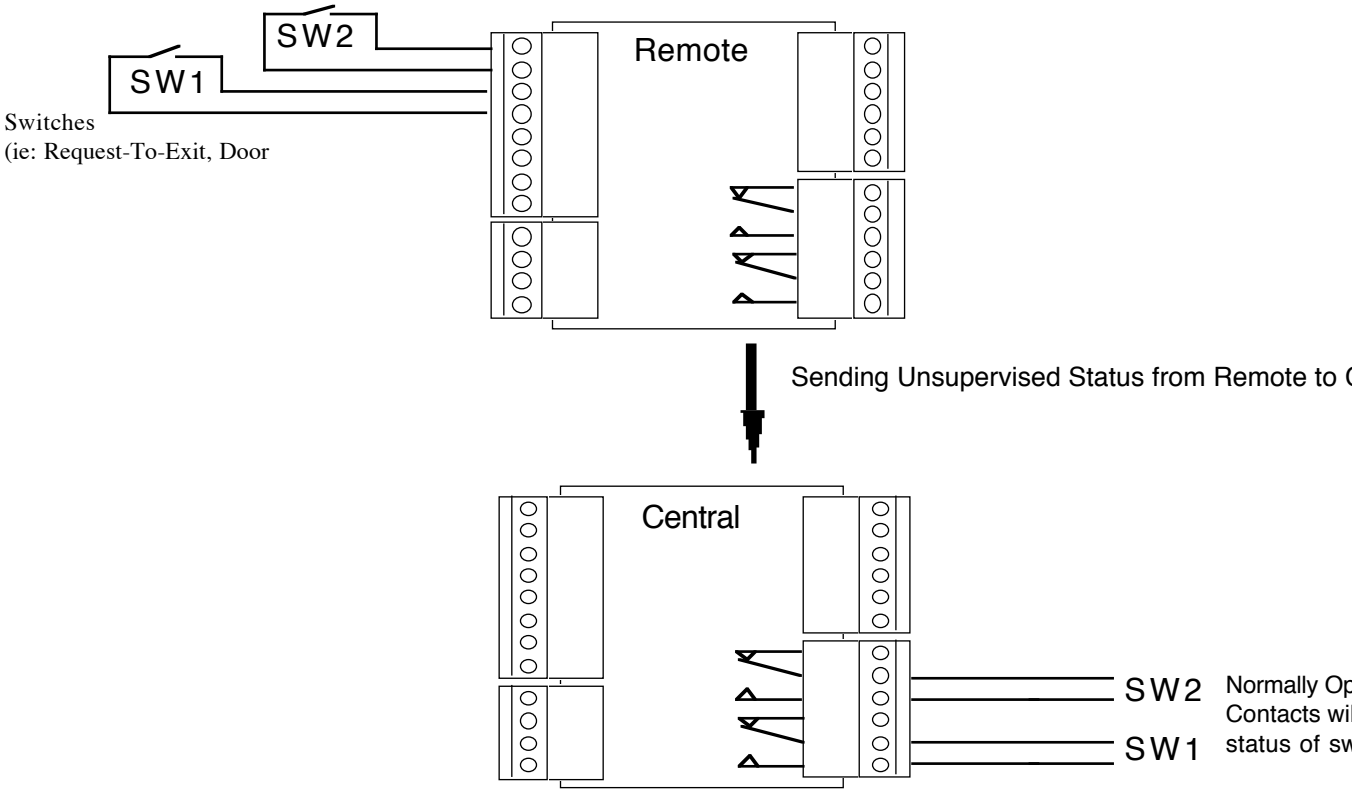
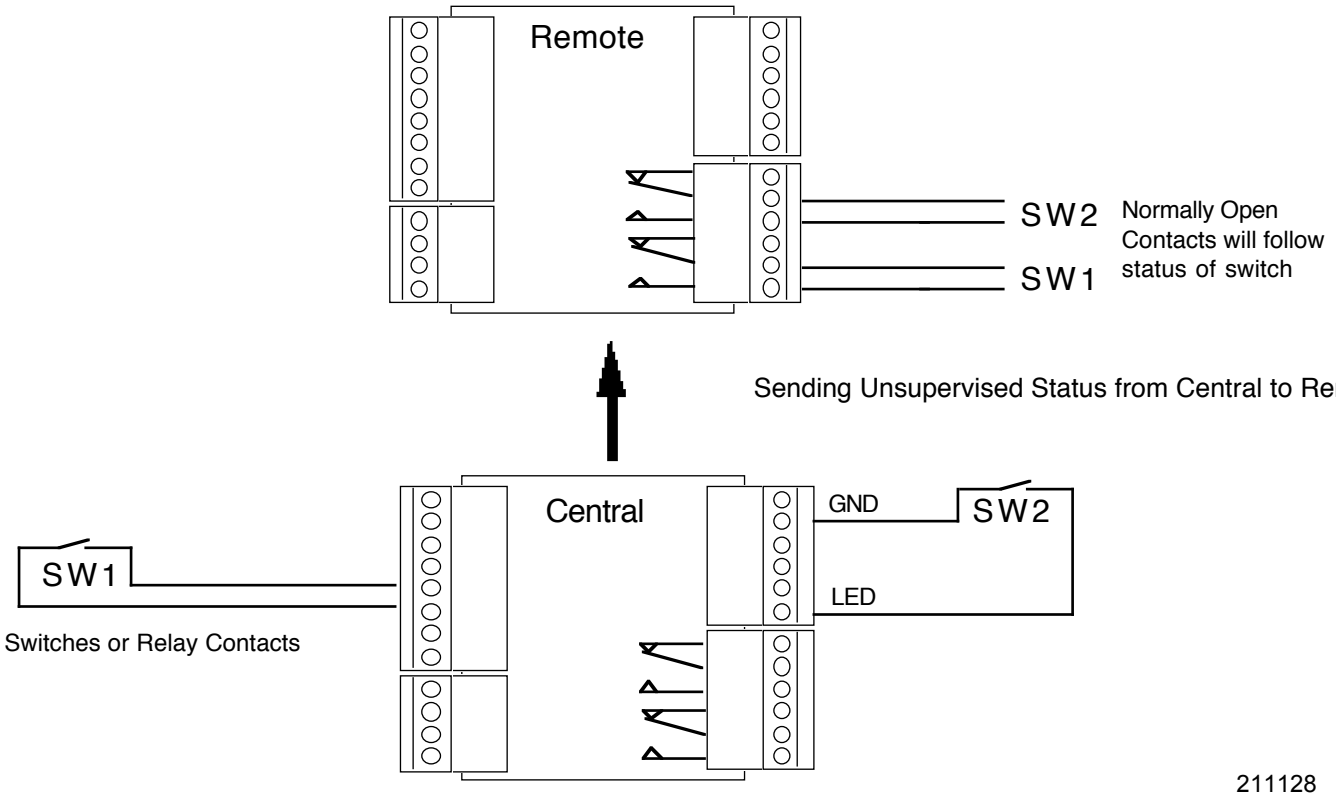
UN-SUPERVISED Status Monitoring





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