



SDC 474MU Touchless Sense Switch with Manual Override Button Installation Guide

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INSTALLATION INSTRUCTIONS

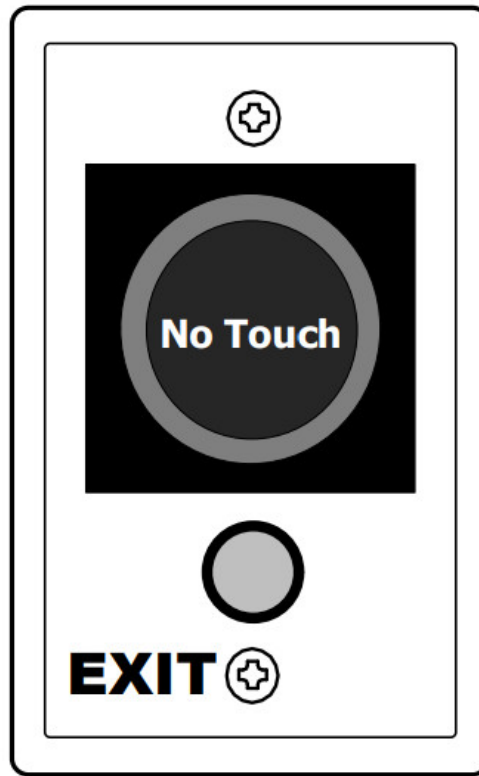
474MU

TOUCHLESS SENSE SWITCH w/ MANUAL OVERRIDE BUTTON

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Installation & Operation



NOTE: The SDC 474MU must be mounted to a single-gang electrical back box or plaster ring. All national and local codes must be followed in the installation of the 474MU.

1. It is not necessary to remove the back cover. All connections should be terminated to the provided 5-pin wire harness.
2. Feed the low voltage wiring through the wall to the backbox.
3. Connect the wires to the wiring harness using twist-on wire connectors, crimp connectors, or another acceptable connector (see page 2 for typical wiring examples).
4. Mount the stainless steel faceplate onto the backbox using the two supplied screws. Be careful not to pinch any wires when mounting the device.
5. Apply 12 or 24 VDC power to the device. The LED indicator ring will turn RED.
6. Test for proper activation by placing a hand within a few inches of the sensor. The LED sensor ring will change from RED to GREEN, and the relay will activate.
7. If necessary, adjust the read range of the sensor by carefully turning the blue potentiometer visible through the rear cutout of the 474U.

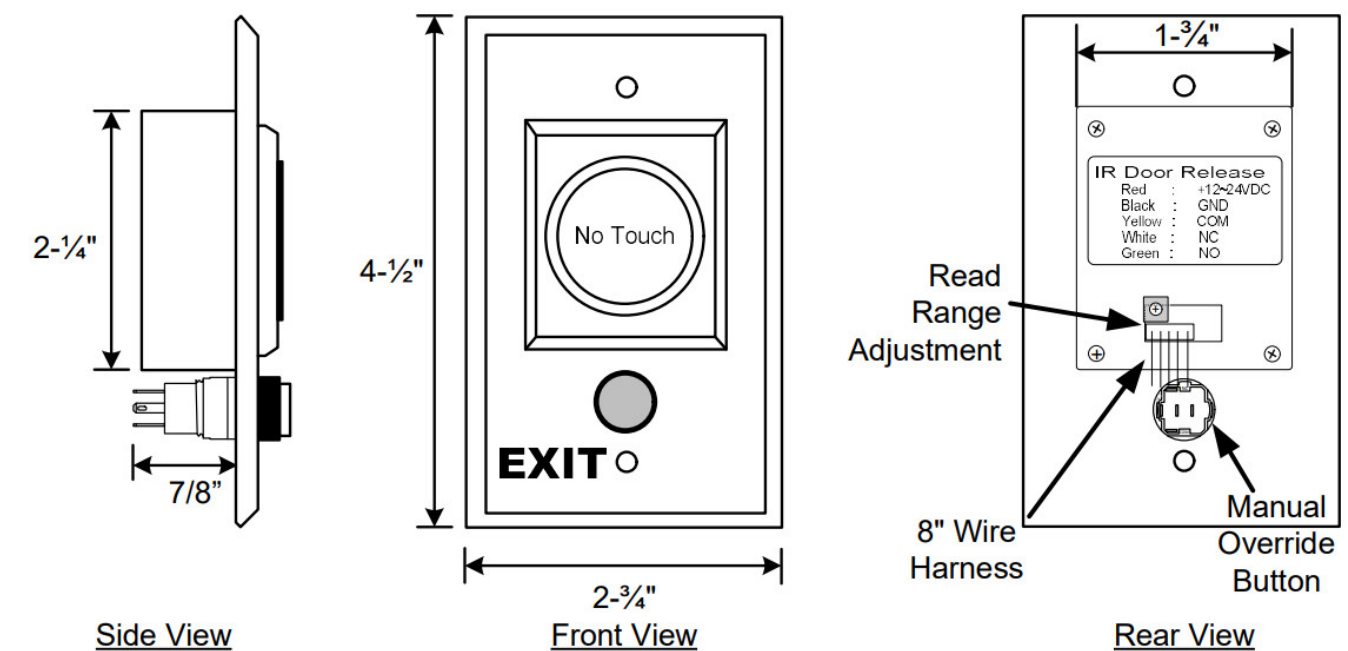
Features & Applications

- Uses Active IR sensor technology; the device is activated with the simple wave of a hand
- Designed to control electric locks/strikes, magnetic locks
- Latching manual button will override lock power in the event of loss of power or sensor switch failure
- Ideal for use in cleanrooms, hospitals, labs, schools, or offices
- Adjustable sensing ranges from 2" up to 7"
- Mounted on a durable stainless steel plate
- Dual LED, the illuminated sensor indicates the status
- 8-inch color-coded wire harness for easy installation.

Specifications

Input Voltage		12 or 24VDC
Current @ 2142vVDD2		36mA Standby 45mA Active
Contact Rating (Switch or Button)		(1) Form C Relay, 3A@30VDC (Resistive)
LED Color	Standby	Red
	Active	Green
Read Range		Adjustable (2"-7")
Output Activation Time		1 Second or as long as the sensor is triggered
Operating Temp.		-4deg F — 131deg F (-20C — 55C)
Weight		4 oz. (113g)
Dimensions		4.5" X 2.75" x 1.375"

Dimensions

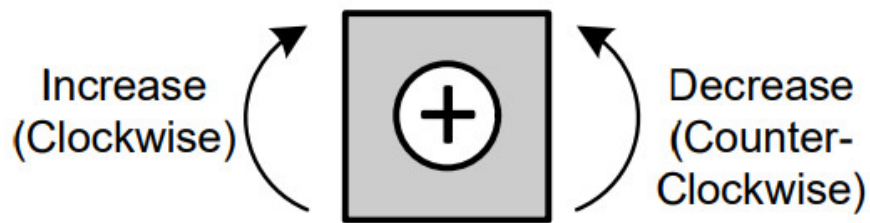


Wiring Details

Power	Red	:	+12~24VDC
	Black	:	GND
Relay Output	Yellow	:	COM
	White	:	NC
	Green	:	NO

Read Range Adjustment

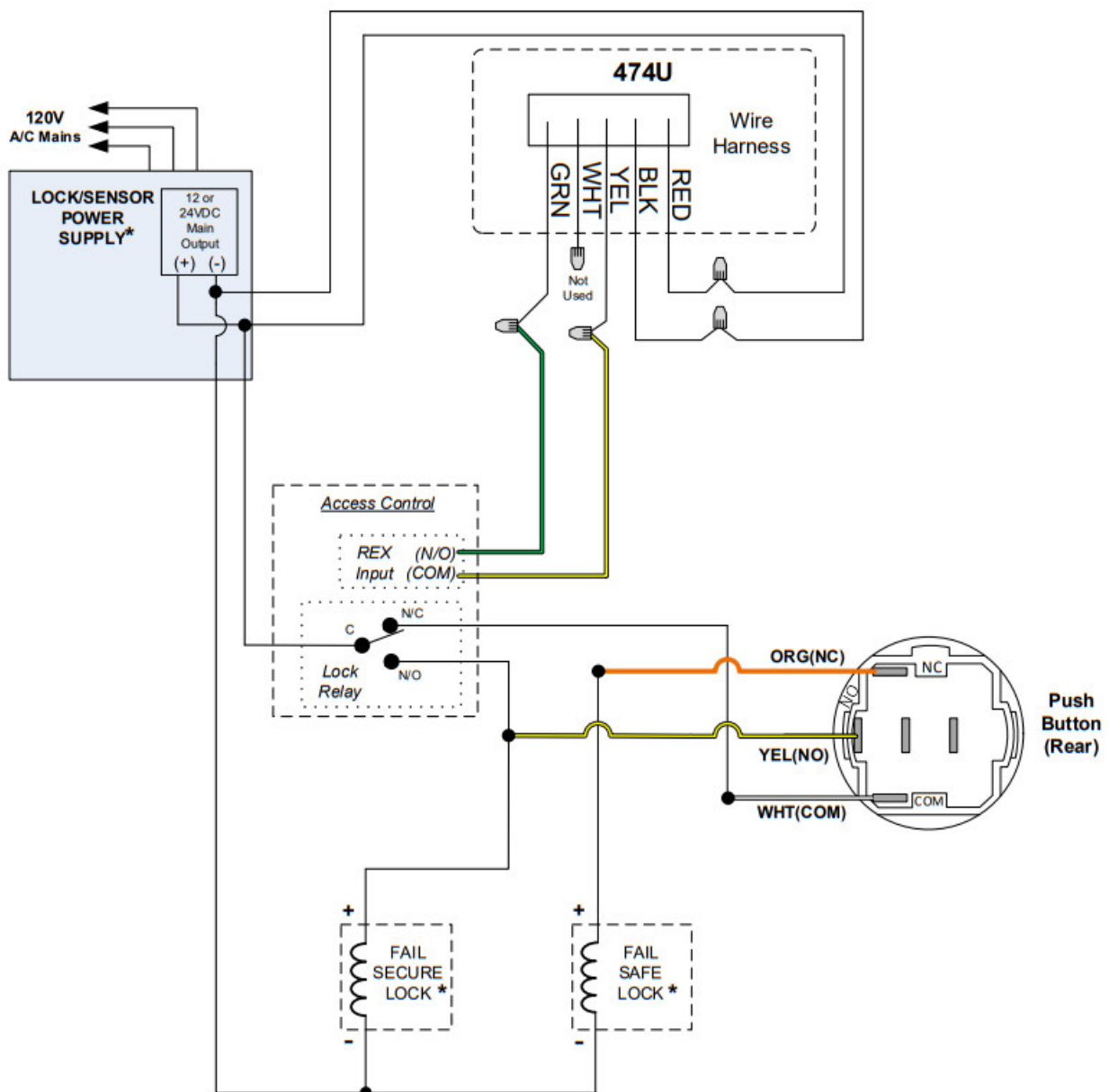
NOTE: Carefully use a small Phillips head screwdriver to turn the blue pot, 1/4 turn at a time



Any suggestions or comments on this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

Typical Wiring Example

Using the 474U as a Request-to-Exit (REX) device in an access control system.



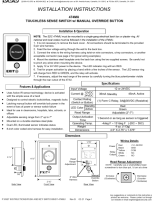
• NOTE(s):

*Refer to manufacturer's installation instructions for Power Supply, Access Control & Locking Hardware wiring.

The lock input voltage shown is the same as the power supply output.

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Documents / Resources

	<p>SDC 474MU Touchless Sense Switch with Manual Override Button [pdf] Installation Guide 474MU, Touchless Sense Switch with Manual Override Button</p>
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