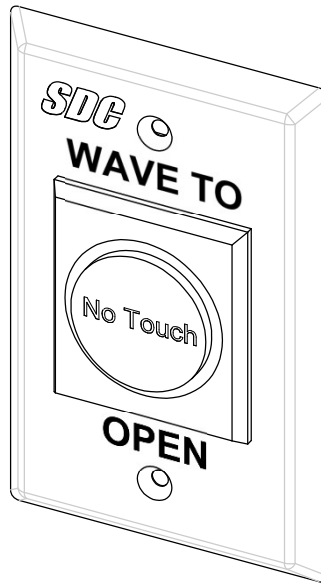




INSTALLATION INSTRUCTIONS

474U TOUCHLESS SENSE SWITCH

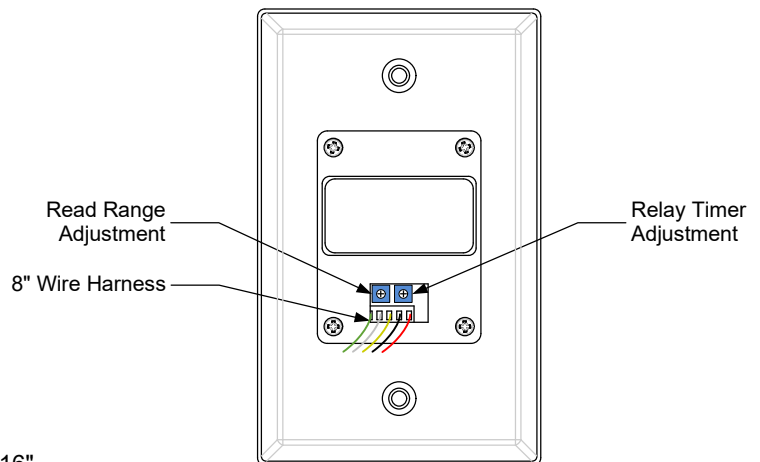
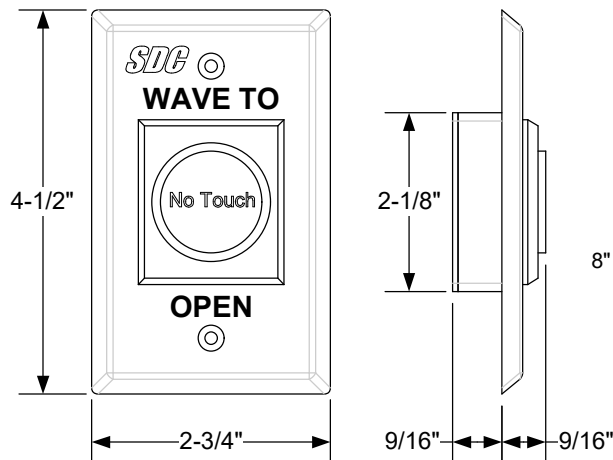


Features & Applications

- Uses Active IR sensor technology; device is activated with the simple wave of a hand.
- Designed to control electric locks/strikes, magnetic locks.
- Ideal for use in cleanrooms, hospitals, labs, schools, or offices.
- Adjustable output activation time.
- Adjustable sensing range from 2" up to 7".
- Mounted on a durable stainless steel plate.
- Dual LED, illuminated sensor indicates status.
- 8-inch color coded wire harness for easy installation.

Specifications

Input Voltage	12 or 24VDC
Current @ 12VDC / 24VDC	36mA - Standby
	45mA - Active
Contact Rating	(1) Form C Relay, 3A@30VDC (Resistive)
LED Color	Red - Standby
	Green - Active
Read range	Adjustable (2" - 9")
Output Activation Time	Adjustable (1-30 seconds after hand or object is removed)
Operating Temperature	-4°F ~ 131°F (-20°C ~ 55°C)
Weight	3oz. (85g)
Dimensions	4-1/2" x 2-3/4" x 1-1/8"



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



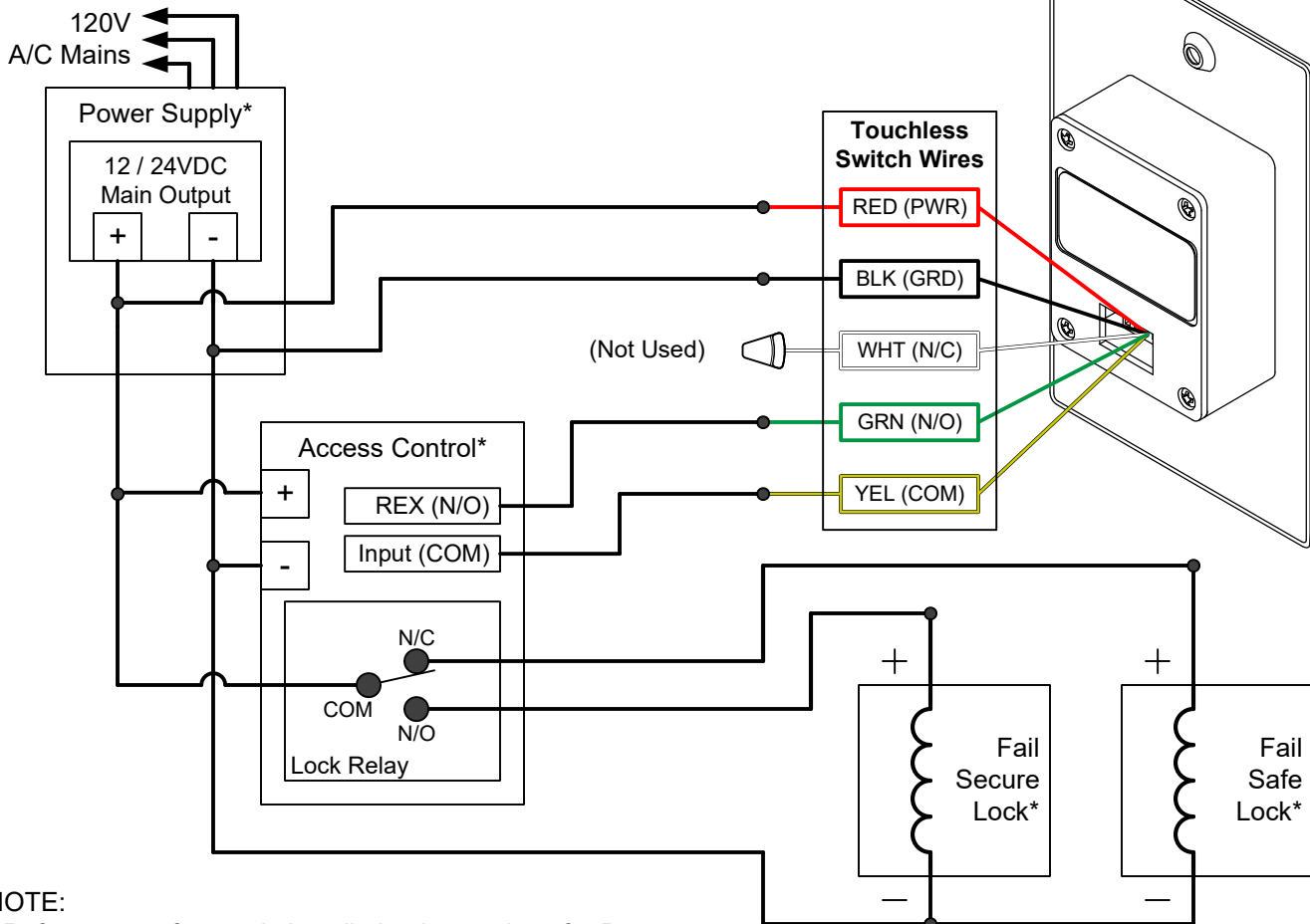
Switch Installation & Operation

1. All connections should be terminated to the provided 5-pin wire harness.
2. Feed the low voltage wiring through the wall to the back box.
3. Connect wires to the Touchless Switch using twist-on wire connectors, crimp connectors, or another acceptable connector (see below for typical wiring example).
4. Mount the stainless steel faceplate onto the back box 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 or adjust the relay activation time.

NOTE: The SDC 474U 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 474U.

Typical Wiring Example

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



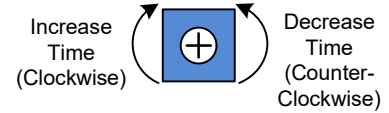
NOTE:

* Refer to manufacturer's installation instructions for Power Supply, Access Control & Locking Hardware wiring. Lock input voltage shown is the same as the power supply output.

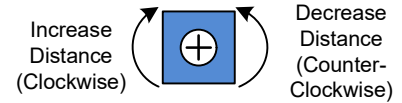
Harness Wiring Details

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

Relay Activation Time Adjustment (1s-30s)



Read Range Adjustment (2"-9")



NOTE: Carefully use a small philips head screwdriver to turn blue trim pots, 1/4 turn at a time.