

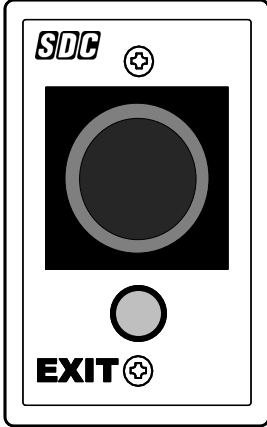


# INSTALLATION INSTRUCTIONS

## 474MU

### TOUCHLESS SENSE SWITCH w/ MANUAL OVERRIDE BUTTON

#### 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. 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 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 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 (see details below).

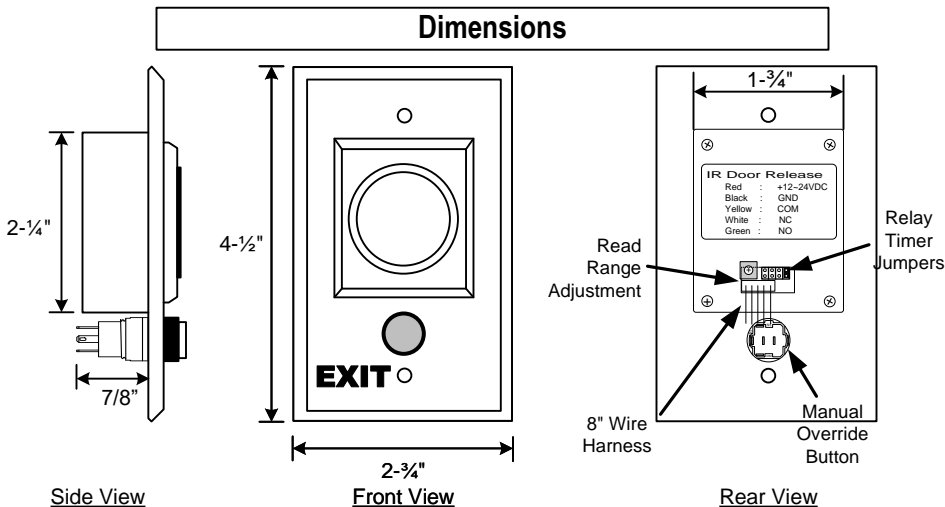
#### Features & Applications

- Uses Active IR sensor technology; device is activated with the simple wave of a hand
- Designed to control electric locks/strikes, magnetic locks
- 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 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<br>24VDC             | 36mA Standby   | 45mA Active |
| Contact Rating<br>(Switch or Button) | (1) Form C Relay, 3A@30VDC (Resistive)                           |             |
| LED Color                            | Standby  | Red         |
|                                      | Active   | Green       |
| Read Range                           | Adjustable (2"-7")   |             |
| Output Activation Time               | Adjustable 1, 3, 6, or 9 seconds after hand or object is removed |             |
| Operating Temp.                      | -4deg F ~ 131deg F (-20C ~ 55C)                                  |             |
| Weight                               | 3 oz. (85g)  |             |
| Dimensions                           | 4.5" X 2.75" x 1.125"  |             |

#### Dimensions

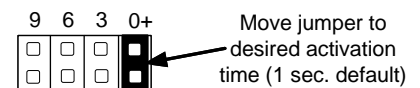


#### Harness Wiring Details

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

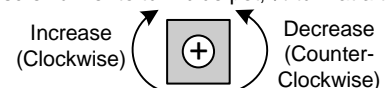
#### Relay Activation Time Adjustment

**NOTE:** It may be necessary to remove the back cover using a small phillips head screwdriver



#### Read Range Adjustment

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



Any suggestions or comments to 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.**

