

# Touch Sensor

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## CT-3

- ◆ 2 Amp
- ◆ Touch ON
- ◆ Touch OFF
- ◆ Touch Momentary On
  - ◆ No moving parts
  - ◆ Vandal resistant, solid
  - ◆ Thru-hole mounting
    - ◆ C<sup>2</sup>T technology
    - ◆ Custom engraving



CT3

Using a unique C<sup>2</sup>T Technology, the GRI Touch Sensor can sense and respond to the slightest human touch. The CT3 was developed by GRI to replace mechanical switch applications. The CT3 can be mounted on metallic and non-metallic surfaces. Metal surfaces cannot exceed 1 square foot and cannot be grounded. The CT3 comes in a very cost effective package frequently costing less than the mechanical switch being replaced. Applications include industrial panels, appliance control, access systems, corrections facilities, light switches, elevator buttons, etc. Custom applications are encouraged and welcomed at GRI. The CT3 is blank and can be custom engraved.

### Relay Output

|         |           |                               |              |       |
|---------|-----------|-------------------------------|--------------|-------|
| CT3-2-1 | 12-24 VDC | Momentary Touch Sensor        | C Form Relay | 2 Amp |
| CT3-2-3 | 12-24 VDC | Alternate Action Touch Sensor | C Form Reed  | 2 Amp |

**WARRANTY:** One year warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.  
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Made in U.S.A.

C\_SS 19 Touch Sensor CT-3

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## INSTALLATION:

Drill a 7/8" hole. Insert the nut and tighten until finger tight.

**NOTE: If more secure mounting is required, see diagram for D-hole dimensions.**

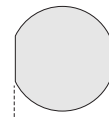
Insert the switch, connecting the red wire to 12 to 24VDC. Connect the black wire to the power ground.

**CAUTION: Do not mount switch to grounded metal surfaces. Do not hook white or green wires to AC type signal or source.**

Test the switch by arming the zone and then touch switch.

### D-hole Diagram

R.438 (Ø 0.875)

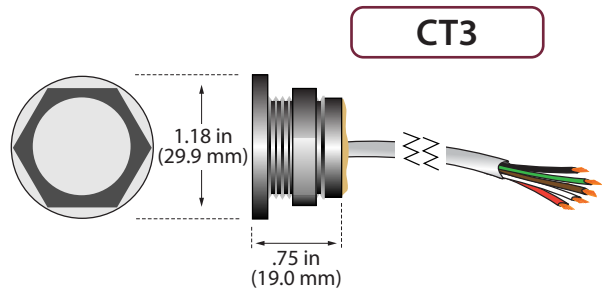


.828in  
(21.0 mm)

## CT3-2-X OPTIONS

CT3-2-1 Relay normally de-energized: when touched relay energizes; when released relay de-energizes. White is the relay common, green is normally closed and brown is normally open.

CT3-2-3 Alternate Action: touch energizes, touch de-energizes. White is the relay common, green is normally closed and brown is normally open.



### Specifications

Five-wire touch switch, 12-24 VDC, ground, common, N/O, N/C

Touch activated by human hand, gloves can be worn, or metal conductor.

Low current draw. Output rated at 2 amp. New Advanced C<sup>2</sup>T technology.

**CAUTION: DO NOT MOUNT ON A GROUNDED METAL SURFACE!**

|       |         |                    |       |            |                    |
|-------|---------|--------------------|-------|------------|--------------------|
| INPUT | Voltage | : 12 to 24VDC max. | RELAY | Voltage    | : 25 volts DC max. |
|       | Current | : 28 mA max.       |       | Current    | : 2 amp            |
|       |         |                    | Power | : 50 watts |                    |

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