Universal Stopper Install  
STI-13000 & STI-14000 Series

Rely on STI®

Specifications

**Polycarbonate Enclosure**
- Flammability - flush and surface mount models (Fig. 2, 3 & 4): UL 94 V-2, enclosed flush and enclosed back box models (Fig. 5 & 6): UL 94 5VA
- Cover wall thickness  0.125 inches

**Dry Contact Relay**
- 30 VAC/VDC, 1A

**Temperature Range**
- Electronics operating range: -40° to 120°F (-40° to 49°C) 
  - Polycarbonate rated: -40° to 284°F (-40° to 140°C)
- Below -4°F (-20°C), a remote power source is recommended

**Approvals**
- UL, CUL Listed - S2466
- UL Certified to meet ADA
- NEMA Type 3RX models with enclosed flush mount and enclosed back box options

**Polycarbonate Cleaning Instructions**
Rinse with water to remove abrasive dust and dirt. Wash with soap or mild detergent, using a soft cloth. Rinse once more then dry with a soft cloth or chamois. Exercise caution when using water inside enclosure. Make sure unit is completely dry inside before reassembling.

To remove grease or wet paint from exterior of cover, rub gently with a soft cloth thoroughly wetted with Naptha. Then wash and rinse. Do not use razor blades.

See website for accessories

**Fig. 1 - Dimensions**
Center pull station to the Universal Stopper with the help of dimensions shown in Fig. 1.

Open cover, use frame or optional backplate to mark mounting holes.

**NOTE:** Be sure the entire cover travel will not interfere with operation of the pull station or other safety system equipment when installed.
Fig. 2 - Flush Mounting Option - Models 130** & 140**

- Break off all (4) tabs then trim off the conduit windows and sharp edges of the conduit cover assembly.
- (4) provided STI-1331 spacer and gasket can be cut to fit conduit fitting.
- Silicone may be applied to conduit fitting or directly to the housing weather gasket to conduit.
- Service pin (1) provided.

- Not used on fire or emergency signal applications.
- Breakaway seal (KT-65) completely into the locking tab.
- Drill 1/8 in. hole while cover is closed. Insert the locking tab.
- Drill 3/16 dia. holes 1-1/4 in. deep when using anchors.
- Drill 7/64 dia. holes 1-1/4 in. deep when anchors are not used.

- Gasket can be cut to install behind conduit.

Fig. 3 - Flush Mount with add-on Spacer - Models 131** & 141**

- Install behind conduit.
- Break off all (4) of the conduit windows and tabs then trim sharp edges before installation.
- (4) provided plastic wall anchor.
- (2) provided conduit insert.
- Insert (2) provided conduit insert.
- 1/2 in. and 3/4 in. conduit weather gasket (2) provided.
- Drill 3/16 dia. holes 1-1/4 in. deep when using anchors.
- Drill 7/64 dia. holes 1-1/4 in. deep when anchors are not used.
- 3/4 in. conduit weather gasket to conduit.

- Not for use on fire or emergency signal applications.

Fig. 4 - Surface Mounting Option - Models 132** & 142**

- Mounting to uneven surface recommended when using anchors.
- Drill 7/64 dia. holes 1-1/4 in. deep when anchors are not used.
- Drill 3/16 dia. holes 1-1/4 in. deep when using anchors.
- Service pin (1) provided.
- Models may contain form-in-place gasket on spacer and 1/8” diameter gaskets for conduit areas.

- Fit appropriate conduit weather gasket to conduit. Then fit gasket to insert or directly to the housing knock-out. For additional seal reliability a bead of silicone may be applied to conduit fitting.
- Plastic wall anchor (4) provided.
- Gasket can be cut to install behind conduit.
- Breakoff all (4) of the conduit windows and tabs then trim sharp edges before installation.
- #6 x 1-1/4 in. screw (4) provided.
Fig. 5 - Enclosed Flush Mounting Option - Models 133**, 135**, 138**, 139**, 144**, 145**, 148** & 149** NEMA TYPE 3RX

<table>
<thead>
<tr>
<th>Models</th>
<th>Back Box</th>
<th>Electrical Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>STI-134**</td>
<td>STI-144**</td>
<td>3/4 NPT North America</td>
</tr>
<tr>
<td>STI-135**</td>
<td>STI-145**</td>
<td>3/4 NPT European</td>
</tr>
<tr>
<td>STI-136**</td>
<td>STI-146**</td>
<td>20mm European</td>
</tr>
<tr>
<td>STI-137**</td>
<td>STI-147**</td>
<td>20mm North America</td>
</tr>
<tr>
<td>STI-138**</td>
<td>STI-148**</td>
<td>3/4 NPT European</td>
</tr>
<tr>
<td>STI-139**</td>
<td>STI-149**</td>
<td>3/4 NPT North America</td>
</tr>
<tr>
<td>STI-13A**</td>
<td>STI-14A**</td>
<td>20mm European</td>
</tr>
<tr>
<td>STI-13B**</td>
<td>STI-14B**</td>
<td>20mm North America</td>
</tr>
</tbody>
</table>

Fig. 6 - Enclosed Back Box Mounting Option - Models 134**, 135**, 138**, 139**, 144**, 145**, 148** & 149** NEMA TYPE 3RX

*NOT FOR USE ON FIRE OR EMERGENCY SIGNAL APPLICATION.

Fig. 7 - Horn Option Models STI-13x20 & STI-13x30 - Wiring Details - Remote Power/Relay Options

*9V battery acts as a backup power when using remote power

Horn Activation
Remove service pin and horn should sound. Close covers and horn should silence. When performing annual battery test/replacement or when servicing alarm system, insert service pin to prevent horn from sounding. Remember to remove to return to normal operation.

Wire | Description
--- | ---
Red | 12VDC - 24VDC
Black | 12VDC - 24VDC
Blue | Common
Green | NC - Norm Closed
Yellow | NO - Norm Open

<table>
<thead>
<tr>
<th>Horn Case</th>
<th>Service Pin - Receiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>#4 Hi-Lo Screw (2) Provided</td>
<td>5 Conductor Wire Harness</td>
</tr>
<tr>
<td>Remove both Hi-Lo Screws and rotate cover open as shown.</td>
<td>Rotate bottom end of battery upward for removal.</td>
</tr>
</tbody>
</table>

VOLUME SWITCH
HI LOW FACTORY DEFAULT HIGH

SERVICE PIN (1) PROVIDED

Horn Case

<table>
<thead>
<tr>
<th>Description</th>
<th>Wire</th>
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</thead>
<tbody>
<tr>
<td>12VDC - 24VDC</td>
<td>Red</td>
</tr>
<tr>
<td>12VDC - 24VDC</td>
<td>Black</td>
</tr>
<tr>
<td>Common</td>
<td>Blue</td>
</tr>
<tr>
<td>NC - Norm Closed</td>
<td>Green</td>
</tr>
<tr>
<td>NO - Norm Open</td>
<td>Yellow</td>
</tr>
</tbody>
</table>
Fig. 8 - Horn Option Models STI-14x20 & STI-14x30 - Wiring Details - Remove Power/Relay Options

*CR123A battery acts as a backup power when using remote power

See FIG. 7 for wire description and activation instructions.

**Warranty**
Three year guarantee against breakage of polycarbonate in normal use (one year on electro mechanical and electronic components).

⚠️ **WARNING:** This product can expose you to chemicals including Dichloromethane, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**Important Notice** (when used on fire systems)
The Universal Stopper is intended to be used in areas where the incidence of false fire alarms from manual pull stations is high or has proven to be a serious problem. Any disadvantage of this device is more than balanced when one considers the consequences of false fire alarms, especially if fire service personnel and equipment are responding to a false fire alarm when they are needed for a real fire somewhere else. Add to this, the disruption to the facility when false alarms occur. If you have, or may have, a problem with false fire alarms or physical/weather damage to your fire alarm activation devices, the Universal Stopper could prove invaluable.

**Avis important** (en cas d’utilisation sur les réseaux d’incendie)
Le Universal Stopper est destiné à être utilisé dans les zones où l’occurrence de fausses alertes d’incendie issues d’avertisseurs d’incendie manuels est élevée ou présente un problème grave. Un quelconque inconvénient de ce dispositif est vite contrevenu par les conséquences des fausses alertes d’incendie, surtout lorsque le personnel et l’équipement des services d’incendie réagissent à une fausse alerte d’incendie alors que leur intervention ailleurs sur un vrai incendie s’avère nécessaire en même temps. A cela s’ajoute l’agitation éprouvée dans l’établissement au moment du déclenchement d’une fausse alerte. Si vous rencontrez, ou risquez de rencontrer, un problème avec les fausses alertes d’incendie ou avec l’éventuel endommagement par effet climatique ou physique de vos dispositifs de déclenchement des alertes d’incendie, le Universal Stopper pourra alors se révéler d’une valeur inestimable.

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SS2xx4 and LT1-UL NOTES: For access control installations, power for the LT-1UL Timer must be supplied by a power source listed to UL294. When used for access control, this device shall be used as part of an access controlled egress door system. It is up to the local AHJ to allow use of this device in place of an automatic sensor. For higher security installations, lower time limits should be used. For SS2xx4 and LT1-UL the enclosed timer is to be used and installed per the enclosed LT-1UL installation sheet. *SS2xx4 and LT1-UL maximum rating 30 VDC 3A.

UL294 Performance Levels:
- Line Security: I
- Attack: I
- Endurance: IV
- Standby Power: I

Three year warranty or a one year limited warranty (from date of purchase) on most products. See website for details. Electronic warranty form at www.sti-usa.com/wc14.

WARNING: This product can expose you to chemicals including Bisphenol A, which is known to the State of California to cause reproductive harm and Dichloromethane, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.
**APPLY PRESSURE DOWNWARD, REMOVE TERMINAL.**

**GRASP TERMINAL HOUSING AND USING THUMB FROM BUTTON ASSEMBLY IS AS FOLLOWS: SEPARATION OF TERMINAL ASSEMBLY.**

**NO**

- RED, GREEN, YELLOW, WHITE AND BLUE
- KIT-102722-Y (YELLOW)
- KIT-102722-W (WHITE)
- KIT-102722-G (GREEN)
- E10105 MOMENTARY BUTTON (#4) * KIT-H18062 KEYS

**1**

- KIT-102722-B (BLUE)
- KIT-102722-R (RED)

**23**

- M10274-W OCTAGON SHELL
- 5/8” SPACER

**INSTALLATION OF SS2xx0, SS2xx1, SS2xx3, SS2xx4 SERIES STOPPER® STATION**

All specifications and information shown were current as of publication, and are subject to change without notice.

<table>
<thead>
<tr>
<th>VOLTAGE RATED</th>
<th>AVERAGE CURRENT</th>
</tr>
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<tbody>
<tr>
<td>250 VDC</td>
<td>1 AMP</td>
</tr>
<tr>
<td>600 VAC</td>
<td>3 AMP</td>
</tr>
</tbody>
</table>

NOTE: SS-2XX4/LT CONTACTS ON FORM C TIMER RATED: 120 VAC, 3A 28 VDC, 3A