

STI Series 2000 Stopper® Stations



SS-2004



FEATURES

- Unique, curved design helps protect against accidental activation.
- 5VA flammability rating on backplate and spacer.
- Station housing molded of super tough polycarbonate.
- Your choice of colors—red, green, yellow, white or blue.
- UL Listed to U.S. and Canadian safety standards (excludes “6” button).
- Raised standard or custom vinyl labeling.
- Typical working properties of polycarbonate are -40° to 250°F (-40° to 121°C).
- Wording in virtually any language.
- Polycarbonate complies with FDA regulations for food contact applications.
- Stainless steel backplate.
- Buttons with Mini Weather Stopper® cover, when mounted in accordance to manufacturer’s installation instructions on a smooth surface, provides a rain tight seal similar to a 3R rating.
- Push buttons are ADA Compliant (excludes “3” button).
- Three year guarantee against breakage of polycarbonate in normal use (one year on electro mechanical and electronic components).

PRODUCT OVERVIEW

These ADA Compliant, multipurpose push-button switches cover a wide range of applications both indoors and outdoors. They’re called Stopper Stations. They incorporate a unique, patented design that helps dramatically to stop accidental activation. A number of standard models are available or we can create custom units to meet your needs exactly. You have your choice of any of five universal colors identifying switch usage, wording and language.

HOW THEY WORK

Because of their superior, patented design combined with quality construction throughout, you can expect outstanding performance for years to come. In fact, many STI customers are surprised to find that all this quality is available at no increase in price. Plus, customers appreciate the option to protect the switches with STI protective covers that carry a three year guarantee against breakage in normal use, one year on electro mechanical and electronic components. For indoor applications, you can order your Stopper Station with a pre-alarm cover to help stop malicious and accidental activation.

STI Series 2000 Stopper® Stations

Dimensions and Technical Information

UNIQUE BUTTON FEATURES

Models SS-2000F (FIRE)

- Standard switch includes two N.O. SPST gold plated contact blocks rated for 1 amp @ 250 VDC. Holds up to three sets of isolated contacts either N.O. or N.C. No backbox available.
- To increase depth to an existing standard single gang box (for contact clearance) use the STI-102722-R which adds 5/8" to box depth.

Models SS-2*00, SS-2*01, SS-2*03, SS-2*04

- Interchangeable or replaceable N.O. or N.C., SPST gold-plated contact blocks rated for 3 amps @ 600 VAC or 1 amp @ 250 VDC.
- Backbox available for 1, 3 and 4 buttons.
- Standard switch includes one N.O. and one N.C. contact. Holds up to three sets of isolated contacts.
- To increase depth to an existing standard single gang box (for contact clearance) use the STI-102722-color which adds 5/8" to box depth.

Model SS-2002F (Fire)

- Includes two Form "C" contacts rated at 7A @125/250 VAC.
- Backbox included when ordering with cover options: 0, 6, 7 or 8.

Model SS-2*02, SS-2*05, SS-2*09

- 2 sets of Form "C" contacts rated at 10 amp @ 125/250 VAC, 1/2 HP 30 VDC, 6A.
- Backbox included when ordering with cover options: 0, 6, 7 or 8.

Model SS-2*07

- Illuminated button Includes one Form "C" contact rated at 10A, 1/2 HP, 125/250 VAC, 6A, 30V. 28 volt incandescent lamp included (10A AC, 6A DC 3 volt).
- Backbox available.

Model SS-2*06 (Not UL Listed)

- One N.O. contact, SPST, 24 VAC/DC 0.2A.
- Backbox included when ordering with cover options: 0, 6, 7 or 8.
- Sealed metal surface is virtually indestructible, vandal proof and easy to clean.
- No moving parts. Long life expectancy, no amortization.
- Life cycles over 50 million.
- Actuation force typically 3 - 5 N (8-11 oz.).
- External push force activates a Piezo element which releases voltage utilized for switching.
- Suitable for harsh environments: water and dust proof for indoor and outdoor use.

Model SS-2*08

- Switch rating 10 amp. (resistive) 240 VAC and has a timer range: 2 - 60 seconds (\pm 15%).
- Not recommended for outdoor/water applications, temperature range of button 15°F to 120° F (-9°C to +49°C).
- Timer life of over 1,000,000 operations.
- Backbox included when ordering with cover options: 0, 6, 7 or 8.
- Pneumatic adjustable timer opens or closes a circuit and has a timed delay before reset. No electricity to operate.
- Ideal for security applications.
- Two sets of isolated contacts, 1 N.O. and 1 N.C.

*NOTE: Second digit designates color

APPROVALS & WARRANTY

TESTING

It has been tested and approved or listed by:

- Underwriter Laboratories and Canadian Underwriter Laboratories No. S7255 (excludes "6" button). Complies with UL 2017. UL Listed for indoor and outdoor use (8" button indoor only, temperature range 15°F to 120°F). When mounting outdoor, must use an STI weather cover.
- ADA Compliant (excludes "3" button)

WARRANTY

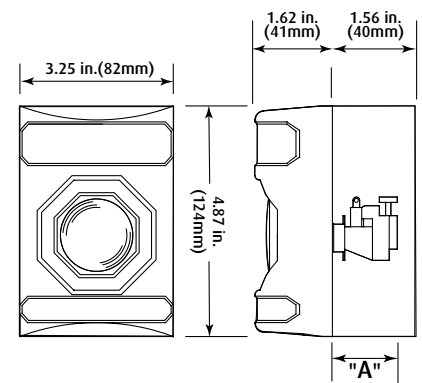
Three year guarantee against breakage of polycarbonate in normal use (one year on electro mechanical and electronic components).

Accessories

- SUB-102722-Color** Plastic Spacer - Red, Green, Yellow, White and Blue for 0, 1, 3, 4 and 7 button type
- 19030** One Extra Key for 0 button type
- 18061** One Extra Key for 2 button type
- 10196** N.O. contact for 0, 1, 3 or 4 button type
- 10197H** Contact holder for 0, 1, 3, and 4 button type
- 10198** N.C. contact for 0, 1, 3 or 4 button type
- SUB-71100A-Color** Backbox - Red, Green, Yellow, White and Blue for 2, 5, 6, 8 and 9 button type
- SUB-71101A-Color** Backbox and Spacer Kit for 1, 3, 4 and 7 button type

"A" - Contact Depth

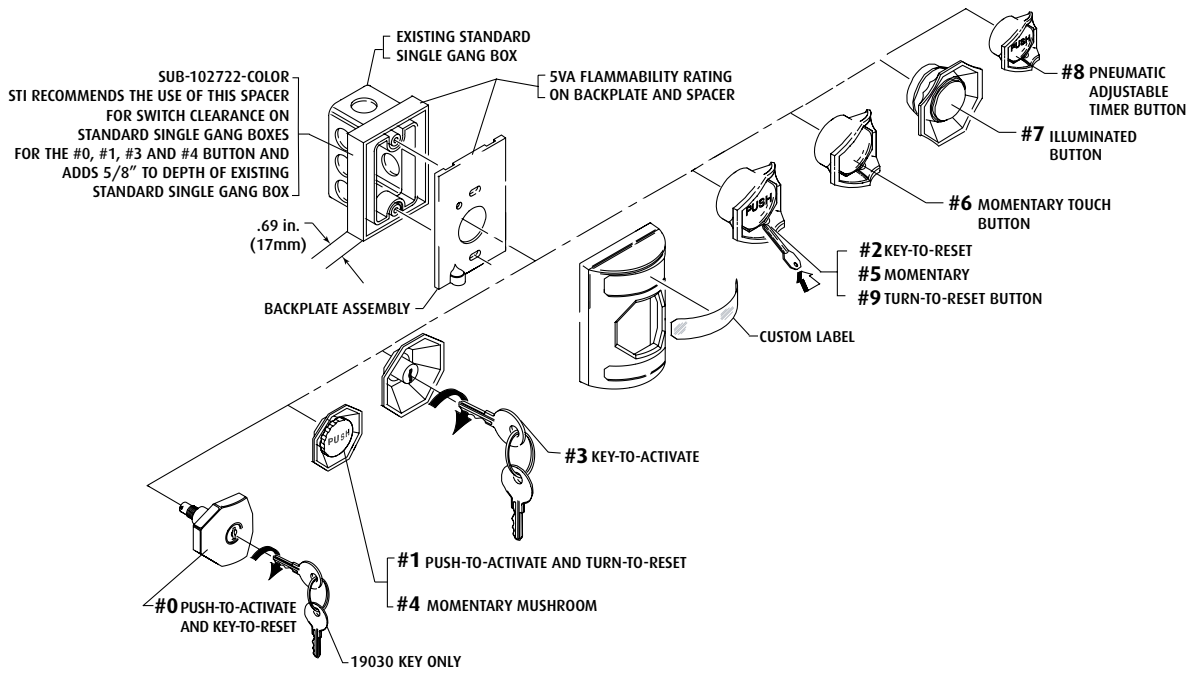
SS-2*00	2.25"
SS-2*01	2.25"
SS-2*02	1.25"
SS-2*03	2.25"
SS-2*04	2.25"
SS-2*05	1.25"
SS-2*06	0"
SS-2*07	1.5"
SS-2*08	1.4"
SS-2*09	1.25"



TO PROVIDE ADEQUATE CLEARANCE FOR CONTACTS, (#0, #1, #3, #4) INSTALLATION MAY REQUIRE: SUB-102722-COLOR SPACER

STI Series 2000 Stopper® Stations

Dimensions and Technical Information



Covers to protect your STI Stopper Station from damage or weather and to help stop malicious or accidental activation.

Mini Stopper® II

This smaller cousin of the famed Stopper® II helps stop false fire alarms and can protect your Stopper Station against damage indoors as well as malicious or accidental activation. It consists of a tamperproof, clear polycarbonate shield that fits easily over any STI Stopper Station model. When it is lifted to gain access to the Stopper Station, it sounds a piercing 105 dB warning horn. Legitimate activation is not affected. The protective cover is available with or without the optional horn. The virtually indestructible cover comes with a lifetime warranty in normal use. Custom labeling is available. **NOTE:** See separate spec sheet for complete cover details.



SS-2147X

Bopper Stopper®

Now you can protect your indoor Stopper Station from vandalism or accidental activation with the STI Bopper Stopper. Both this protective cover and its hinges are molded of tough polycarbonate material so you know it will take hard knocks in stride. To help prevent corrosion, the hinge spring is formed from stainless steel. The combination of Stopper Station with a Bopper Stopper protective cover is for indoor use only. **NOTE:** No labeling can be placed on the Bopper Stopper cover. Need to order 102721 Adapter Plate when Stopper Station spacer SUB-102722-color is mounted under button. See separate spec sheet for complete cover details.



SS-2010F

Mini Weather Stopper®

This tough cover, without a built-in alarm, is used to protect any STI Stopper Station from damage or the weather in outdoor use or indoor harsh environments. It is a less costly choice where malicious or false activation is not a problem. STI Mini Weather Stopper is ideal for environments such as those on oceangoing ships, oil rigs, beachfront condos, car washes or any area subjected to saltwater conditions. It is available in any of four colors for both flush and surface mount installations. Weather gaskets are included. Tested to NEMA 3R standards. **NOTE:** See separate spec sheet for complete cover details.



SS-2450

Stopper® Station Shield

This inexpensive and high durable cover, without alarm, was invented to mount directly onto the Stopper Station series of buttons. With two tabs that snap into the Stopper Station, the cover easily mounts over the push button. It takes hard knocks in stride while protecting the button against vandalism, damage and accidental activation. Ideal for use when space is limited.



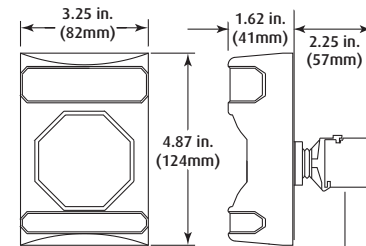
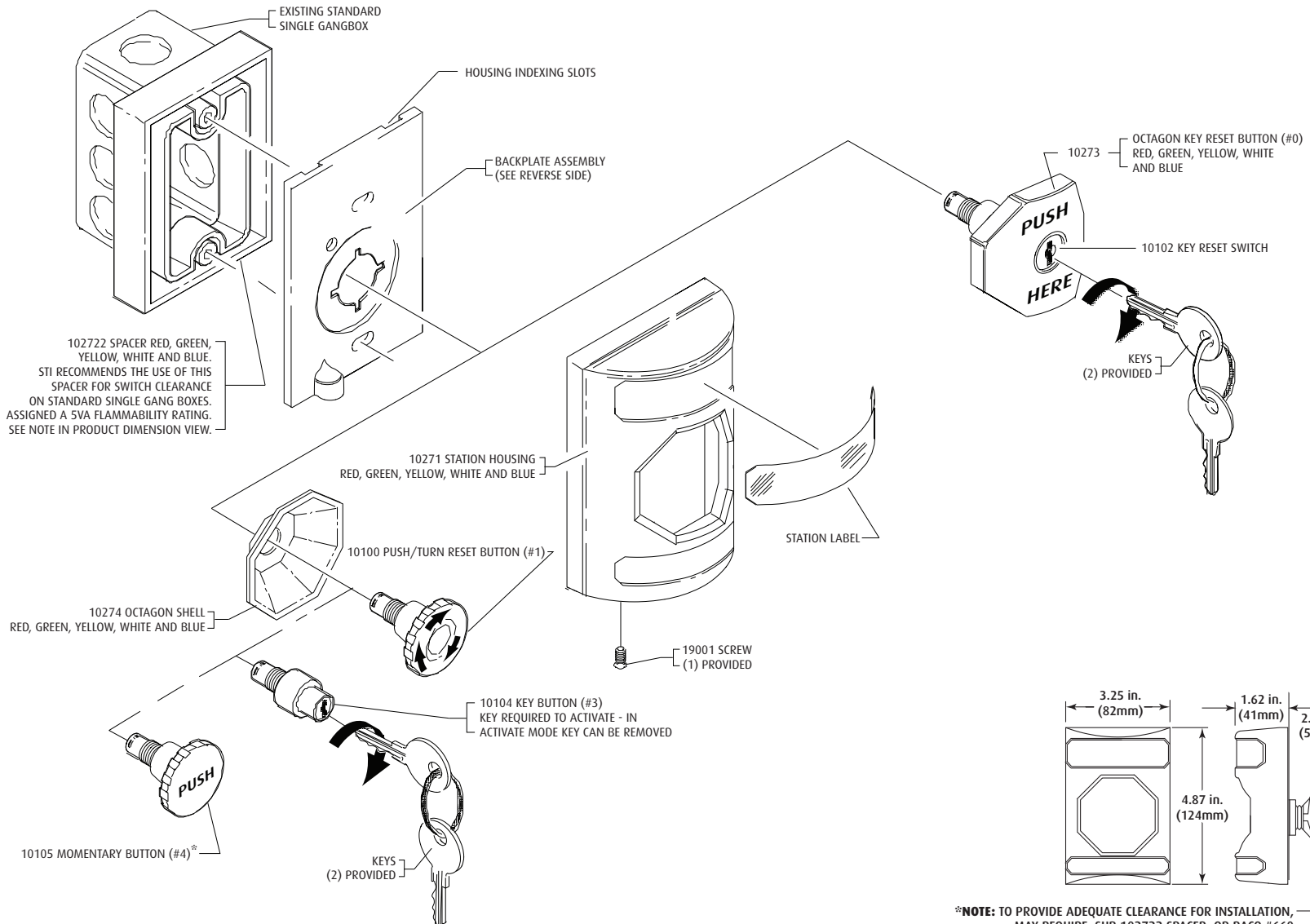
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*Please note it is mandated by UL that UL Listed Stopper Stations be protected with an STI Mini Weather Stopper when used outdoors.



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***NOTE:** TO PROVIDE ADEQUATE CLEARANCE FOR INSTALLATION, MAY REQUIRE: SUB-102722 SPACER, OR RACO #660 W/1/2" K.O. AND RACO #653 EXTENSION RING. ALSO RACO #696 MASONRY BOX.

PRODUCT DIMENSIONS

***SS-2XX4/LTUL 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 SS-2XX4/LTUL the enclosed timer is to be used and installed per the enclosed LT-1UL installation sheet. *SS-2XX4/LTUL maximum rating 30 VDC 3A.

INSTALLATION OF SS-2000 SERIES STOPPER® STATION

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

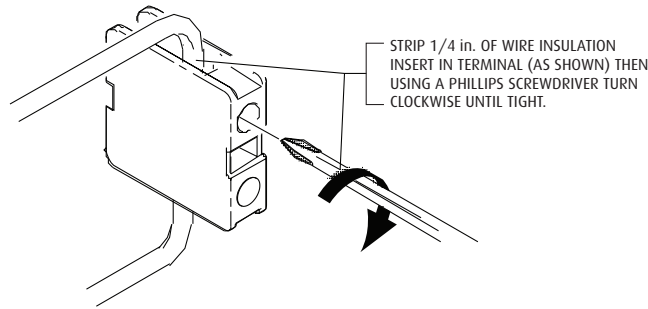
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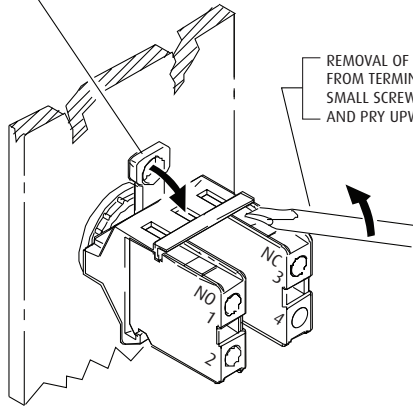
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STRIP 1/4 in. OF WIRE INSULATION
 INSERT IN TERMINAL (AS SHOWN) THEN
 USING A PHILLIPS SCREWDRIVER TURN
 CLOCKWISE UNTIL TIGHT.

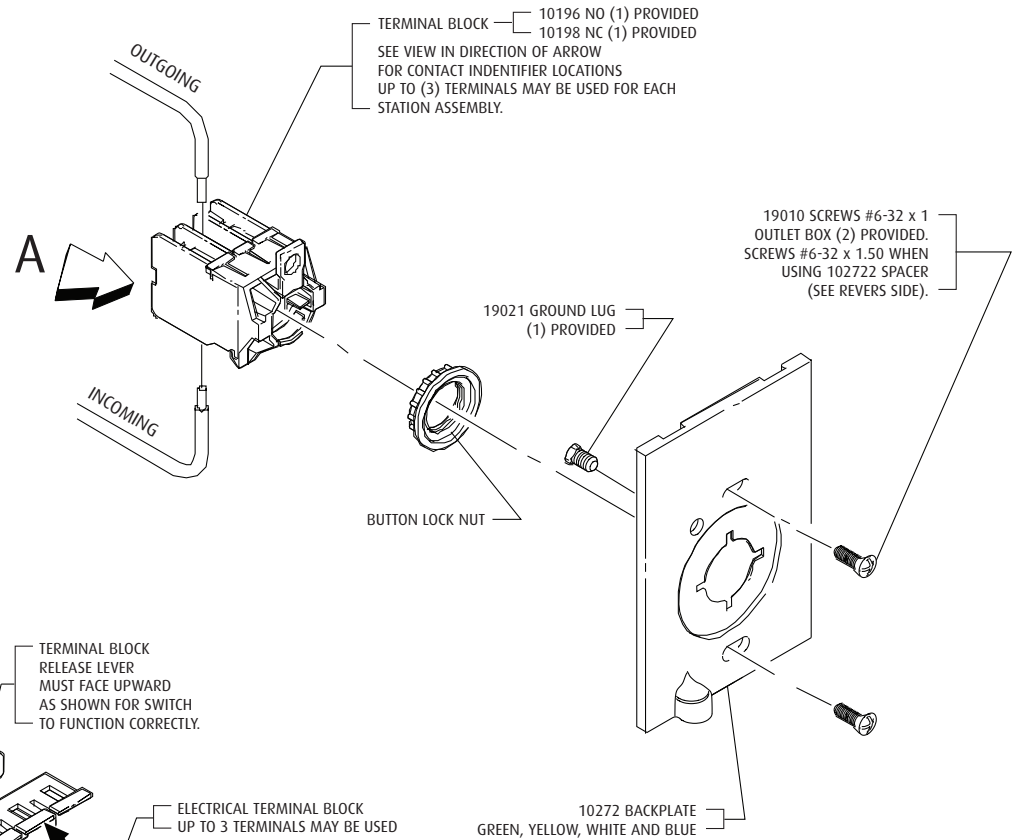
VIEW IN DIRECTION OF ARROW A
 INSTALLATION OF ELECTRICAL
 WIRE INTO TERMINAL BLOCK

SEPARATION OF TERMINAL ASSEMBLY
 FROM BUTTON ASSEMBLY IS AS FOLLOWS:
 GRASP TERMINAL HOUSING AND USING THUMB
 APPLY PRESSURE DOWNWARD, REMOVE TERMINAL.



REMOVAL OF TERMINAL BLOCK
 FROM TERMINAL HOUSING: INSERT
 SMALL SCREWDRIVER (AS SHOWN)
 AND PRY UPWARD, REMOVE TERMINAL.

VIEW IN DIRECTION OF ARROW A
 INSTALLATION AND REMOVAL OF TERMINAL BLOCKS AND
 TERMINAL BLOCK ASSEMBLY FROM BUTTON ASSEMBLY



TERMINAL BLOCK — 10196 NO (1) PROVIDED
 10198 NC (1) PROVIDED
 SEE VIEW IN DIRECTION OF ARROW
 FOR CONTACT IDENTIFIER LOCATIONS
 UP TO (3) TERMINALS MAY BE USED FOR EACH
 STATION ASSEMBLY.

19010 SCREWS #6-32 x 1
 OUTLET BOX (2) PROVIDED.
 SCREWS #6-32 x 1.50 WHEN
 USING 102722 SPACER
 (SEE REVERS SIDE).

19021 GROUND LUG
 (1) PROVIDED

BUTTON LOCK NUT

10272 BACKPLATE
 GREEN, YELLOW, WHITE AND BLUE

TERMINAL BLOCK
 RELEASE LEVER
 MUST FACE UPWARD
 AS SHOWN FOR SWITCH
 TO FUNCTION CORRECTLY.

ELECTRICAL TERMINAL BLOCK
 UP TO 3 TERMINALS MAY BE USED

INSERT NOTCH, AS SHOWN
 THEN ROTATE UPWARD

TERMINAL BLOCK LEGEND

NO — NORMALLY OPEN
NC — NORMALLY CLOSED
C — COMMON

ALL TERMINALS ACCEPT TWO 12 TO 18 (AWG)

VOLTAGE	RATED AVERAGE CURRENT
250 VDC	1 AMP
600 VAC	3 AMP

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

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