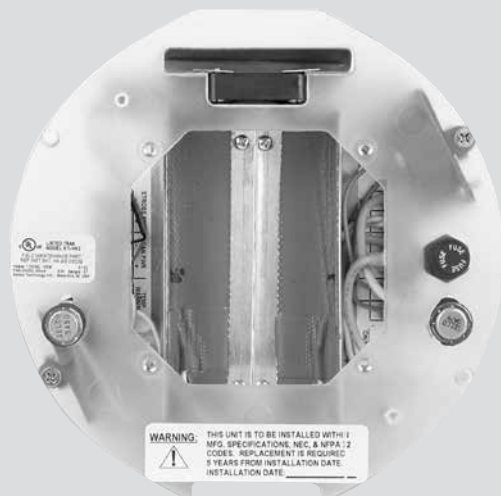




**Safety Technology
International**

Heater Field Replacement Kit

STI-HK2, STI-HK2A
STI-HK2-WD, STI-HK2A-WD



Features

- Maintains operating strobe appliance temperature with external temperatures to -70°F (-57°C).
- UL and cUL Listed

Operation

For use in areas where temperature or environmental conditions exceed the operational range of fire strobe signaling devices. Unit requires 24 VDC continuous for fan operation and 110 VAC for heaters, as well as power for strobe operation and supervision for temperature indicator. Fan runs continuously to maintain uniform temperature. Heaters cycle as required to maintain operating temperature range for listed strobes.

We protect the things that protect you.®

Warnings

The replacement heater assembly part listed is for use with STI-1229HTR, STI-1229HTR-WD, STI-1229HTR240, STI-1229HTR240-WD. It is the installer's responsibility to comply with NEC 70 Articles 502 and 503, NFPA72, and other applicable fire and electrical codes. Verify that conduit or raceway path seals still have positive sealing integrity. Installer should have maintained supervision over the low temperature thermostat. The low temperature monitoring thermostat makes the circuit at +32°F (0°C) and clears the circuit at +50°F (+10°C). This listing requires that the fire alarm supervisory control module be only of the latching type. On the appliance mounting plate is a label where you should record the installation date. Also include below the serial number and installation date for quick reference.

Serial Number _____ Installation Date _____

Mises en garde

La pièce de remplacement du chauffage est indiquée pour une utilisation avec STI-1229HTR, STI-1229HTR-WD, STI-1229HTR240, STI-1229HTR240-WD. Il incombe à l'installateur de se conformer aux articles 502 et 503 de la NEC 70, NFPA 72, et aux autres codes de prévention des incendies et de l'électricité en vigueur. Vérifiez que l'intégrité des joints d'étanchéité des chemins des conduites ou canalisations soit toujours positive. Il est attendu que l'installateur ait effectivement contrôlé le thermostat à basse température. Le contrôle du thermostat à basse température maintient le circuit à 32 °F (0 °C) et déclenche le circuit à 50 °F (10 °C). Cette homologation exige nécessaire que le module de contrôle de la surveillance des alertes d'incendie soit uniquement du type à verrouillage. La plaque de montage de l'appareil comporte une étiquette sur laquelle vous devez enregistrer sa date d'installation. Le numéro de série et la date d'installation doivent aussi être marqués sur la feuille d'instruction pour référence rapide.

Numéro de série _____ Date d'installation _____

Heater assembly includes

- Heater plate assembly
- Appliance mounting plate with thermostats
- Neoprene gasket

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 cloth thoroughly wetted with Naptha. Then wash and rinse. (Do not use razor blades).

Specifications

Silicone Laminate Heaters

110 VAC 60 Hz	UL Recognized Component
100 Watts (2 @ 50 watts)	
Life: @ -10°C (14°F) ~ 70°C (158°F)	5 Years
Duty Cycle: -40°F (-40°C)	53%
-70°F (-57°C)	71%

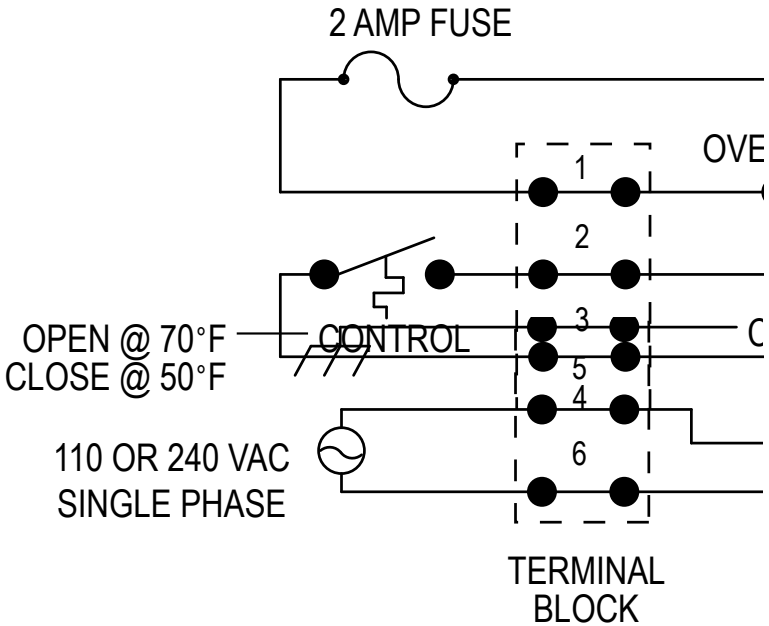
Fan

24 VDC, 90 mA	UL Recognized Component
Life	5 Years Continuous Duty
<p>⚠ WARNING: The polarity of the circulating fan is important as it only rotates in one direction with red lead being positive.</p> <p>MISE EN GARDE : La polarité du ventilateur de circulation est importante car il ne tourne que dans un sens avec son fil rouge étant celui du pôle positif.</p>	

Gasket

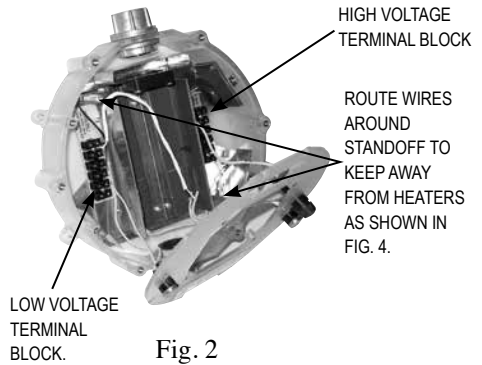
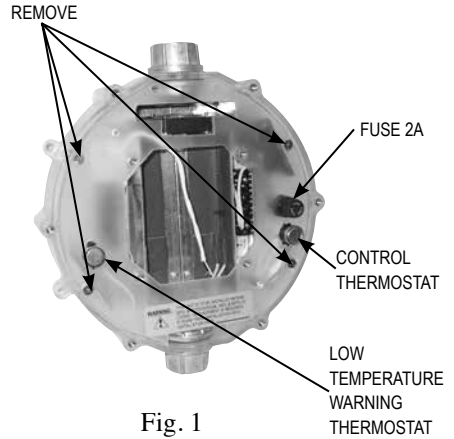
Material	Neoprene
Life	5 Years

HIGH VOLT.

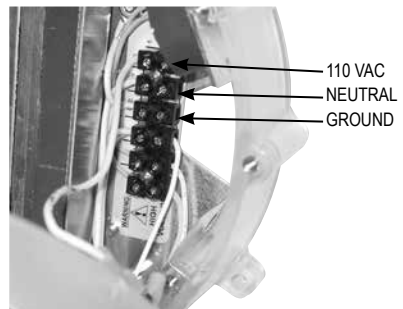


Installation Instructions

1. Disconnect the power to the enclosure.
2. Remove cover by loosening 6 #8-32 x 5/8" socket cap screw and washer. Loosen screws securing the strobe to the mounting plate and then disconnect wiring to the backside of the strobe on its terminal screws. Retain strobe and screws.
3. Remove four screws holding the heater assembly in enclosure. (Fig. 1)
4. Disconnect field wiring on outside terminals numbers 4, 5 and 6 from high voltage terminal and on all outside terminals on the low voltage block. Prior to disconnecting field wiring, installer shall carefully identify terminal connections to assure proper identification when reconnecting to replacement heater.
5. Mount field replacement part heater unit into the backbox with fan assembly on top. Allow appliance mounting plate to hang by thermostat wires and temporarily reinstall two of the four flat head screws holding heater unit to backbox. This will help hold heater plate kit in place while connecting wires, shown in Fig. 2.
6. Connect high voltage: Location shown Fig. 2. Wire as shown in Fig. 3. Make sure 110 VAC power is "OFF". Be sure wiring does not contact heaters. Refer to high voltage schematic diagram on page 6.



Pin 6	110 VAC
Pin 5	Neutral
Pin 4	Ground



7. Connect low voltage: Location shown Fig. 2. Wire as shown in Fig. 4. Be sure wiring does not contact heaters by routing the wires around the standoffs.

Note: Fan will not operate if polarity is reversed. Refer to low voltage schematic on page 6.

8. Connect EOL device: (not included) Connect between pins 5 and 6 of low voltage terminal block (Fig. 4). Pins 5 and 6 should then be connected to the fire alarm supervisory control module.

Note: Fire alarm supervisory control module must be of the latching type only.

9. Remove two temporary holding screws (from step 5) and install strobe-mounting plate. Align mounting plate holes, heater plate bracket and backbox enclosure and install four flathead screws removed in step 1.

10. Wire and install strobe (Fig. 5) using Teflon coated wire provided. (Red Jacket containing Red-Positive/Black-Negative).

11. Record installation date.

12. Install cover and new gasket with six #8-32 x 5/8" socket cap screws and washers as shown in Fig. 6.

13. Turn all power to "ON" position.

Note: Fan runs continuously. This system requires three sources of power:

1. 110 VAC heaters on the load side of the fuse holder.
2. 24 VDC power source for the circulating fan.
3. 16-33VDC fire alarm notification circuit for strobes and temperature warning indicator.

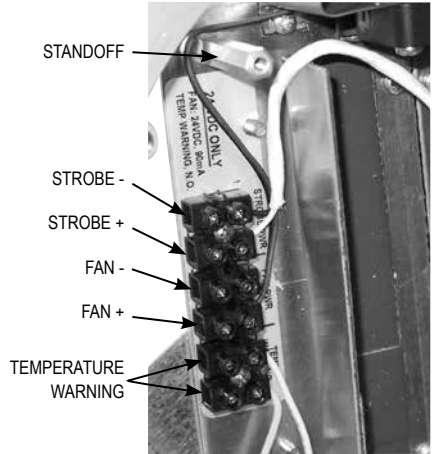


Fig. 4

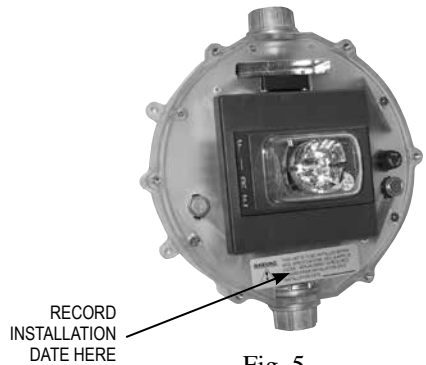


Fig. 5

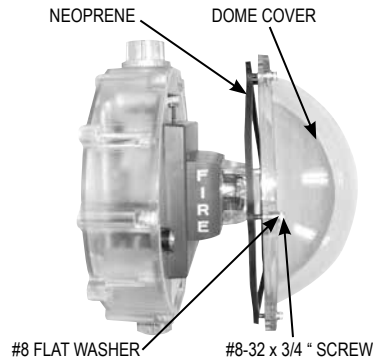



Fig. 6

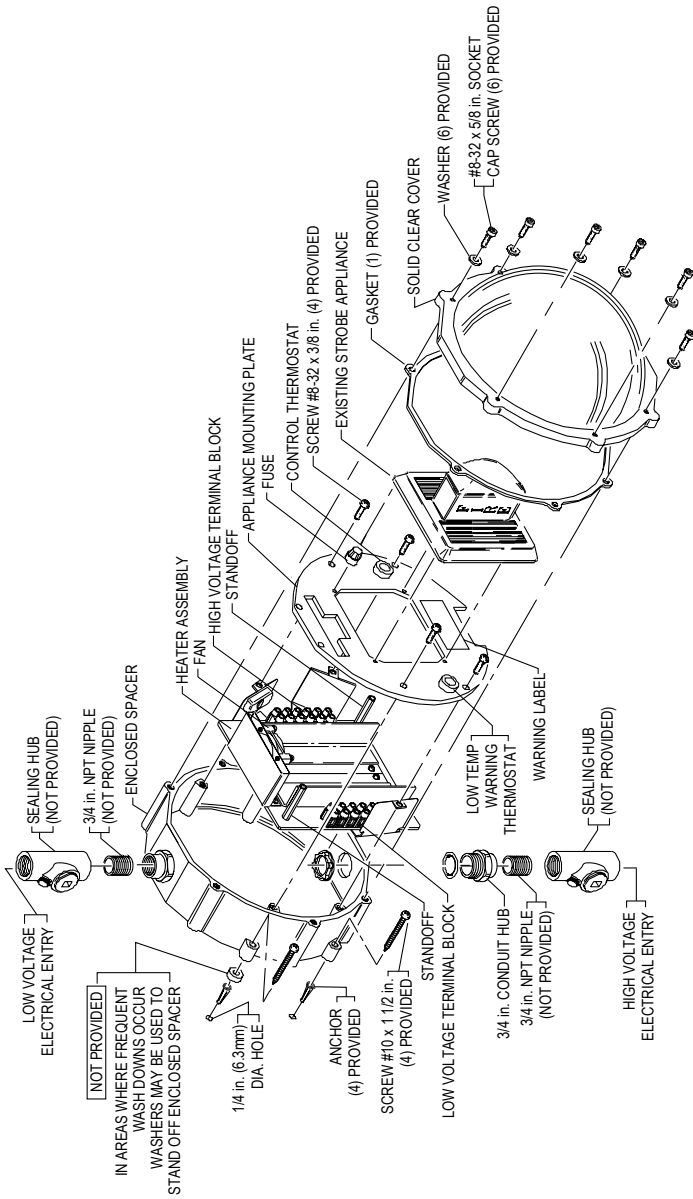
Warranty

 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**.

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**.

Product Assembly





USA



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