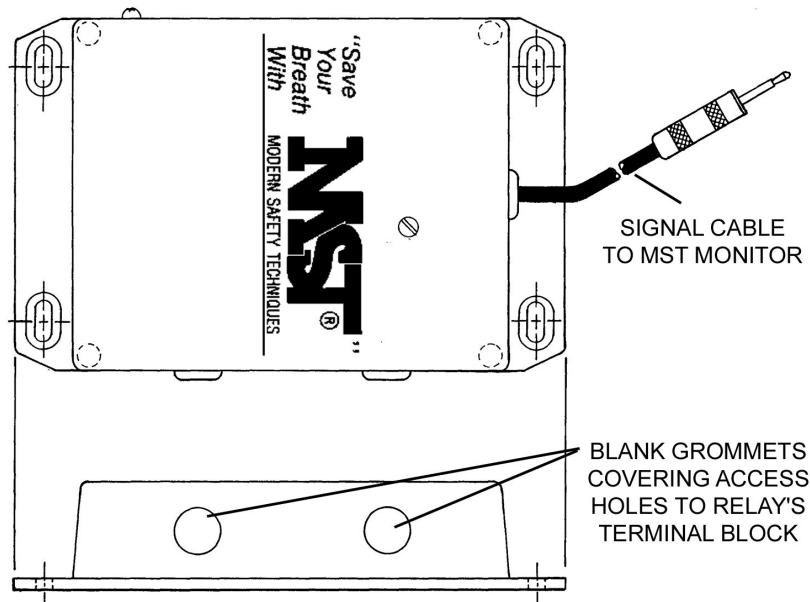


MST MODEL 8025601
EXTERNAL RELAY ASSEMBLY
(FOR 5700 CO MONITOR OR 5701 CO/O₂ MONITOR)

GENERAL DESCRIPTION:

The 8025601 External Relay Assembly allows the triggering of external devices when the 5700 CO Monitor or 5701 CO/O₂ Monitor, experiences an alarm condition.



When the MST Monitor experiences an alarm condition, a power signal is provided at the “REM ALARM” jack where the External Relay Assembly’s signal cable is plugged into. This power signal energizes the External Relay Assembly and turns the external device ‘ON’ or ‘OFF’, depending on how the customer’s power source is connected to the External Relay Assembly’s terminal block.

NOTE: The MST Monitor must be powered by the Optional 120 VAC Adapter (80247) or 12 VDC Adapter (80123) to energize the External Relay Assembly.

WARNING: THIS DEVICE SHOULD ONLY BE INSTALLED BY A QUALIFIED ELECTRICIAN. OBSERVE ALL STATE AND LOCAL ELECTRICAL CODES WHEN INSTALLING THIS DEVICE TO ASSURE SAFE INSTALLATION AND OPERATION. FAILURE TO PROPERLY INSTALL THIS DEVICE COULD RESULT IN PERSONAL INJURY, DEATH, PROPERTY DAMAGE OR DAMAGE TO THE EQUIPMENT.

OPERATION OVERVIEW

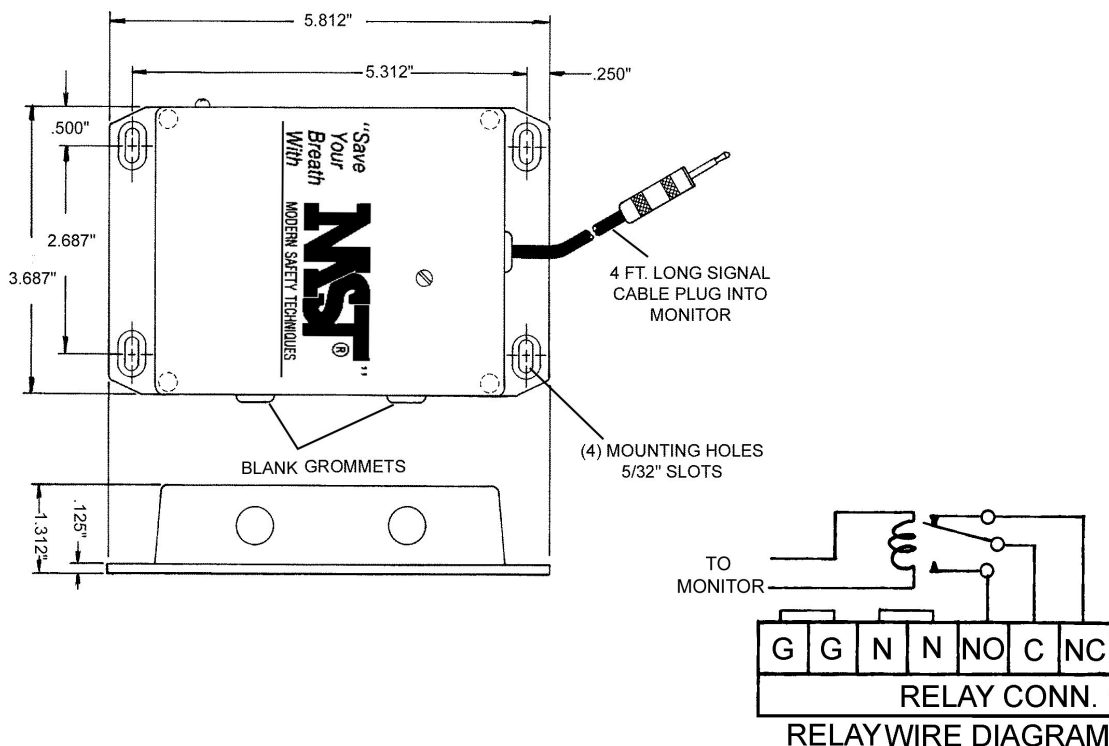
Wires from the customer's power source, (12 VDC, 10 Amp-Max. or up to 220 VAC, 10 Amp. Max.) are brought in through either blank grommets and connected to the **G** (Ground), **N** (Neutral/negative) and either **NO** (Normally Open) or **NC** (Normally closed) terminals. The wires of the device being operated (12 VDC, 10 Amp-Max. or up to 220 VAC, 10 Amp. Max.) are brought through the remaining blank grommet and connected to the **G** (Ground), **N** (Neutral/negative) and **C** (Common) terminals. The Signal Cable with an 1/8" Phone Plug is then plugged into the 5700 or 5701 Monitor's "REM ALARM" output jack located on the left side of the monitor. NOTE: The MST Monitor must be powered by either the (80247) 120 VAC Adapter or (80123) 12 VDC Adapter to energize the External Relay Assembly.

When the 5700 or 5701 Monitor experiences an "Alarm" condition, power is supplied to the External Relay Assembly through the 4 Ft. long signal cable and energizes it's internal relay (Normally Closed) and connects (or disconnects) the customer's incoming power, activating (or deactivate) the external device.

SIGNAL CABLE _____ 4 FT., 20 AWG/2C
WITH 1/8" PHONO PLUG

TERMINAL BLOCK RATING

WIRE SIZE	_____	20-12 AWG
VOLTAGE	_____	220 VOLTS MAX.
AMPERAGE	_____	10 AMPS MAX.

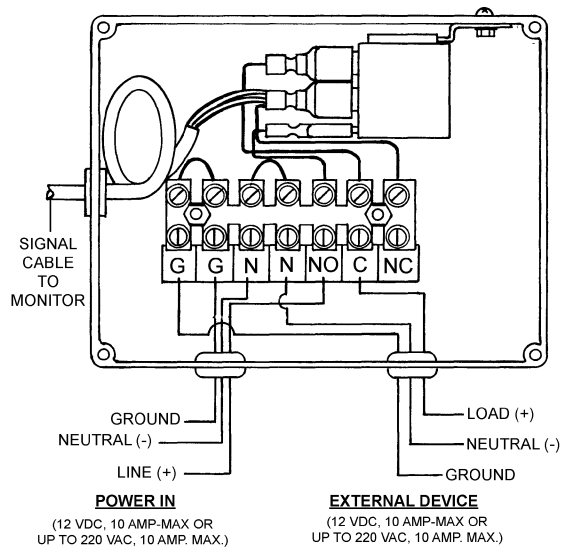


WIRING PROCEDURE AND INSTALLATION

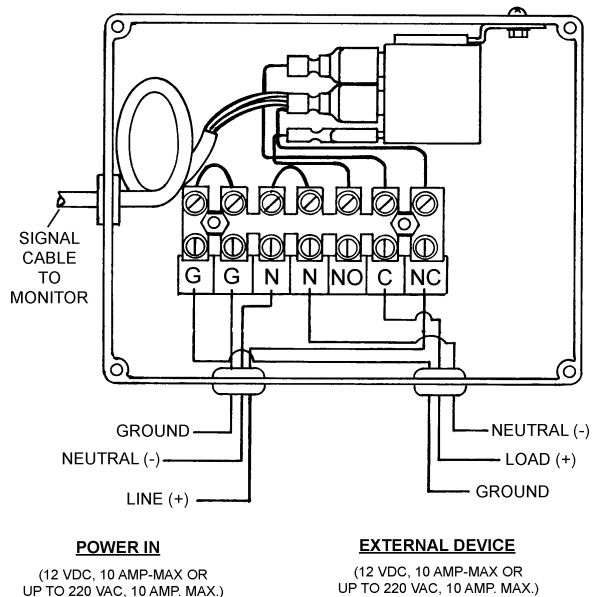
WARNING: DISCONNECT ALL POWER SOURCES WHILE INSTALLING AND WIRING THIS DEVICE. ONLY QUALIFIED, EXPERIENCED ELECTRICIANS SHOULD ATTEMPT TO INSTALL THIS DEVICE. SEVERE BURNS AND/OR DEATH COULD RESULT!

- 1) Turn relay housing on its top and remove the (4) phillips screws from the mounting plate to expose the relay/terminal block mounted in lid.
- 2) Connect the 8025601 External Relay Assembly as shown, while observing the proper polarity.

ACTIVATING AN EXTERNAL DEVICE



DEACTIVATING AN EXTERNAL DEVICE



MST INC. SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, (DIRECT OR CONSEQUENTIAL), ARISING OUT OF THE USE OF OR THE INABILITY TO USE THIS PRODUCT, BEYOND THE REPLACEMENT OF DEFECTIVE MATERIALS OR WORKMANSHIP. USER OF THIS EQUIPMENT SHOULD EVALUATE THEIR OWN PARTICULAR APPLICATION AND PERFORM THEIR OWN TESTS TO DETERMINE THE SUITABILITY FOR USE OF THIS PRODUCT.

Should you have any questions or require additional information, contact your local distributor or MST, Inc. at 800-542-6646 or 888-MODSAFE.