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Installation, Operation & Maintenance Manual

## CU-HTC Relay Box

104672

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**IMPORTANT:** Leave this material with the operator

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## IMPORTANT NOTE:

As you follow these instructions, you will notice warning and caution symbols. This information is important for the safe and efficient installation and operation of this control. These are types of potential hazards that may occur during installation and operation:

 **CAUTION** Signals a situation where minor injury or product damage may occur if you do not follow instructions.

 **WARNING** States a hazard may cause serious injury or death if precautions are not followed.

**GENERAL INFORMATION**

The Relay Box for CU-HTC Over Temperature Alarm and Shut Off Device will be referred to as the "Relay Box" in this Installation and Operation Manual. The relay box is required when using a CU-HTC Over Temperature Alarm and Shut Off Device with any multi unit CX commercial steam generator system (CX1600 - CX5000).

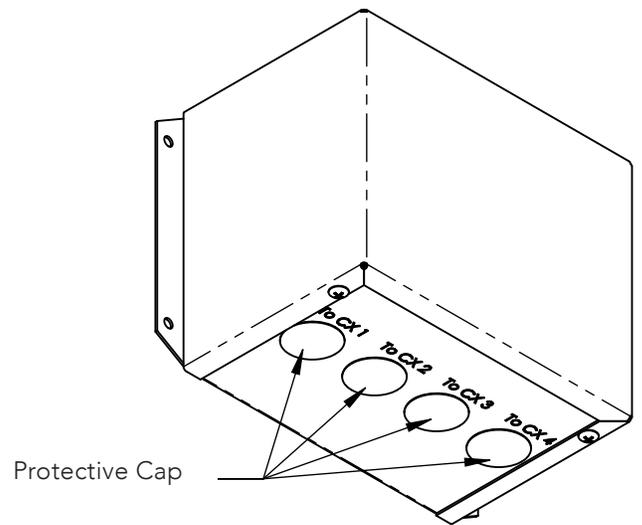
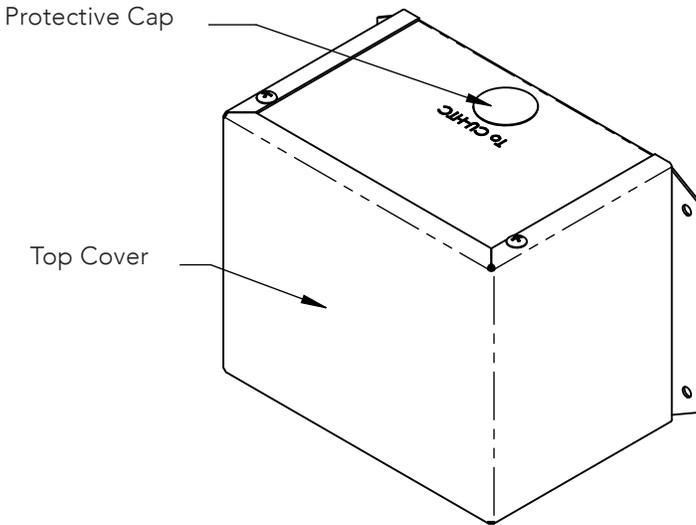
**IMPORTANT:** Read these instructions and the CU-HTC Over Temperature Alarm and Shut Off Device Installation and Operation Manual and the CX Steambath Generator Installation and Operation Manual, thoroughly before installing or servicing the Relay Box. If these materials are not available go to the "Downloads" section of the MrSteam website or contact MrSteam for free replacements.

**IMPORTANT INFORMATION ABOUT MRSTEAM CX COMMERCIAL STEAM GENERATORS**

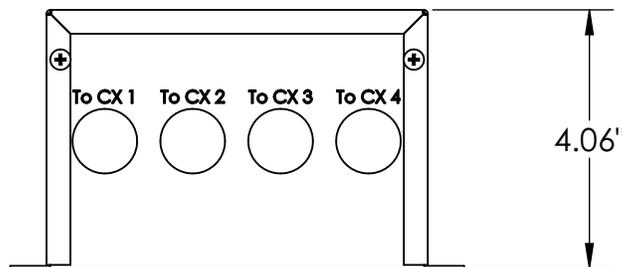
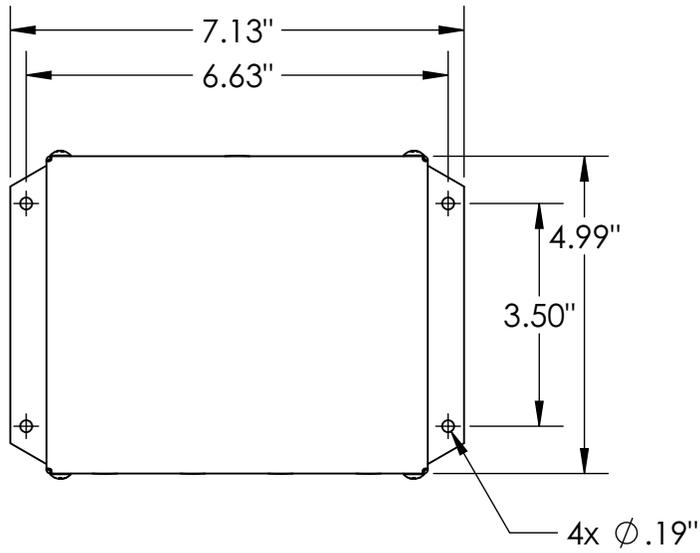
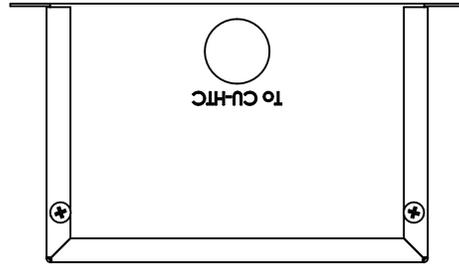
- Each room requires one CU-HTC Over Temperature Alarm and Shut Off Device when required by code.
- Each CX Steam Bath Generator System requires a CX Steam Bath Generator control. For typical installation, see the CX Steam Bath Generator Installation and Operation Manual. Set the CX control to a maximum of 118° F to prevent nuisance tripping.

**Box Contents:**

- Relay Box
- Installation Manual



**DIMENSIONS**

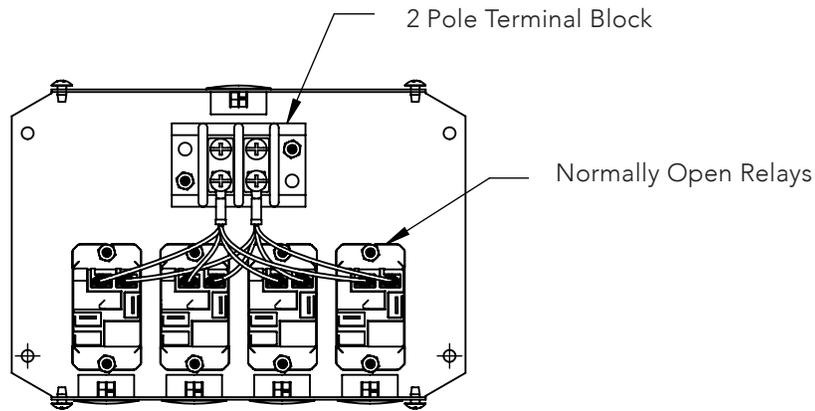


## OPERATION

- The Relay Box is to be used in conjunction with a steam generator being used to heat a steam room and Over Temperature Alarm and Shut Off Devices.
- The Relay Box contains one 2 Pole Terminal Block, it's to connect to one Over Temperature Alarm and Shut Off Device.
- The Relay Box contains four Normally Open Relays, each relay is to connect to 2 pole terminal block in each steam generator.
- Use only for MrSteam CT Day Spa, CX Commercial Steam Systems and CU Commercial Steam Systems. Do Not use for spas, saunas or any other equipment.
- Relay Box is powered by 120 VAC.

**! WARNING** To prevent shock hazard, DO NOT install the Relay Box in the steam room.

**! CAUTION** Use only for MrSteam CX Commercial Steam Systems. Do Not use for spas, saunas or any other equipment.



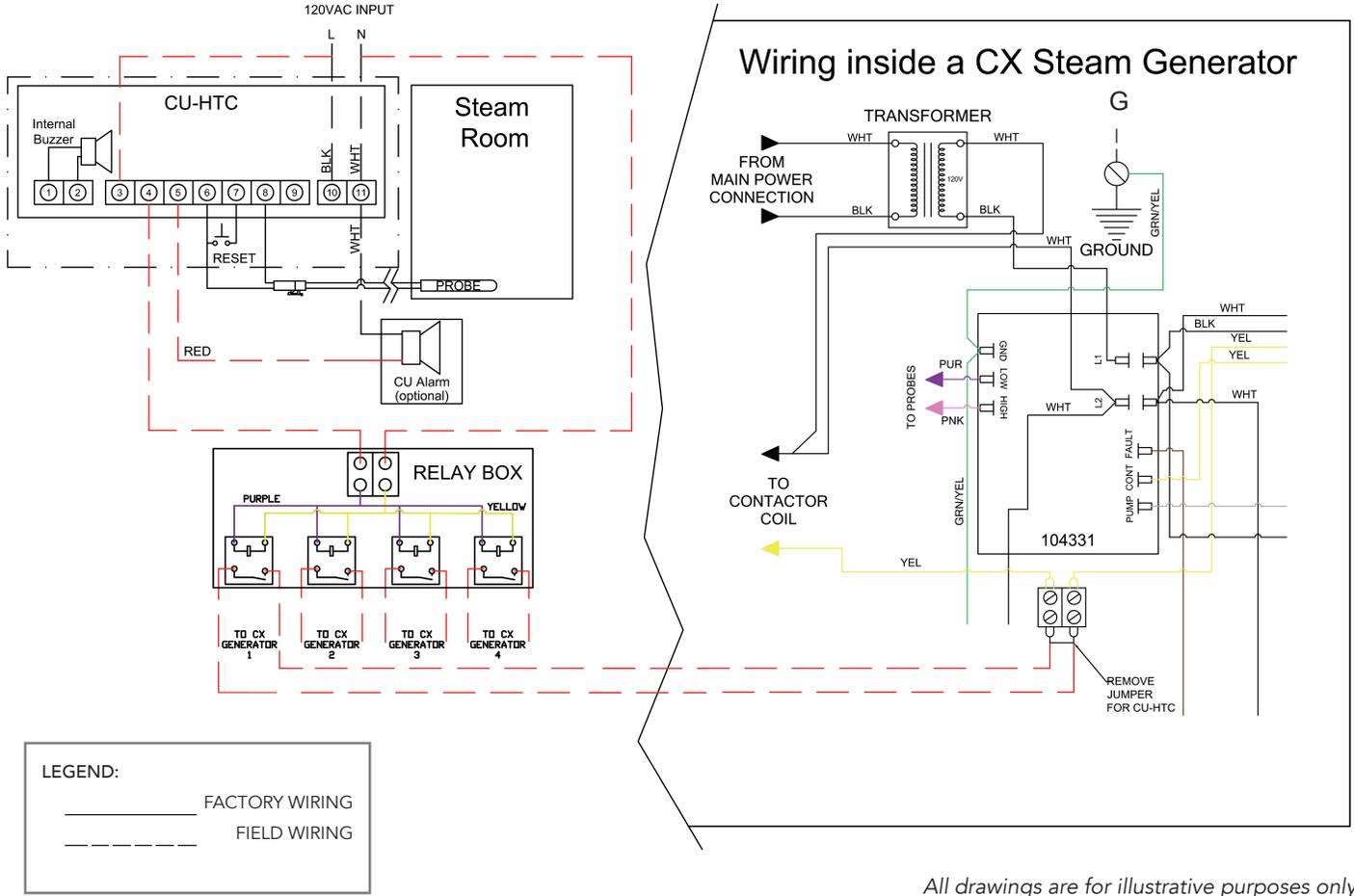
## INSTALLATION

- Locate the Relay Box outside of the steam room, in a secure location not accessible to general public, ie utility room.
- Attach the Relay Box to a flat surface using 4 mounting holes.
- Loosen 4 screws on Relay Box and remove its Top Cover.
- Remove protective cover on top and bottom of the Relay Box. Leave protective cover in unused holes.
- Install conduit fittings (not supplied) in  $\varnothing 0.875$ " hole on top and bottom of the Relay Box.
- Connect terminal 3 in CU-HTC to Hot of 120VAC Input supplying the CU-HTC, as shown in wiring diagram on page 5.
- Connect the 2 Pole Terminal Block in the Relay Box to terminal 4 in CU-HTC and Neutral of 120VAC Input supplying the CU-HTC with 16 AWG stranded insulated wire, as shown in wiring diagram on page 5.
- Connect the 0.25" quick connect tabs in Relay to 2 Pole Terminal Block in steam generator. Each relay is to connect to 2 pole terminal block in each steam generator.

**! CAUTION** To prevent damage to equipment, connect each relay to one steam generator.

- Install top cover back onto the relay box, secure it with 4 screws.

**WIRING DIAGRAM**



*All drawings are for illustrative purposes only*

**Warranty**

To view or download the MrSteam Residential Generator Warranty and register your Product go to: [blog.mrsteam.com/wr](http://blog.mrsteam.com/wr)

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