ELECTRONIC 3-ZONE OVERRIDE MODULE FOR TRANSCEIVER/CCRP

Item #1302060 (Override Module 3-Zone)

THIS PROCEDURE MUST BE PERFORMED BY A QUALIFIED TECHNICIAN

OPERATION

The Steffes electronic override (Figure 1) is an optional device that allows the use of a normally controlled device, such as a water heater, during a peak control time (power company permitting). The override timer will allow for an override of the relays. The override duration is 90 minutes (1.5 hours). It can be cancelled anytime during the cycle.

FIGURE 1

TRANSCEIVER INSTALLATION

1. Mount the module into a 2-gang box anywhere in the structure where it will be convenient for the user to access.

2. De-energize the transceiver.

3. Remove applicable transceiver knockout(s) from the bottom of the enclosure below the low voltage connection area.

4. Connect wires to the low voltage terminal circuit connection points to match circuit leads marked on override module circuit board (OVS to OVS, or OVR to OVR, ect.). Tighten terminal screws securely.

5. The module contains 3 purple, 1 yellow, 1 red and 1 orange/black low voltage wires. Splice 18/6 low voltage wire to these wires and route them through the low voltage raceway compartment in the trainsceiver.

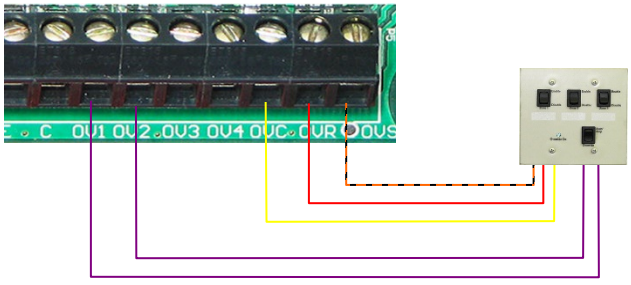
6. Using only line voltage rated wire inside the transceiver, connect the override to the low voltage terminal strip (Figure 2) in the transceiver as follows:

   - Purple wires connect to OV1, OV2, OV3 or OV4 terminals
   - Red wire connects to OVR terminal
   - Orange/black wire connects to OVS terminal
   - Yellow wire connects to OVC terminal

WARNING

HAZARDOUS VOLTAGE:
Risk of electric shock. Can cause injury, or death. System may be connected to more than one branch circuit. Disconnect power to all circuits before servicing. Equipment must be installed and serviced by a qualified technician.

FIGURE 2
Typical 2-Pole Wiring



NOTE: The OV1 terminal will control relays 1 and 5; OV2 controls relay 2; OV3 controls relay 3; and OV4 controls relay 4. Therefore, if wanting to override the loads connected to relays 1,3 and 5 with one of the 3 buttons, connect the purple wire for that button from the override switch to OV1 on the transceiver board and jumper from OV1 to OV3.

6. Label each override zone on the module and in the transceiver.

7. Install the front cover on the transceiver and energize the system.

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COMFORT CONTROL RELAY PANEL (CCRP) INSTALLATION

1. Mount the module into a 2-gang box anywhere in the structure where it will be convenient for the user to access.
2. De-energize the CCRP and remove the front cover.
3. The module contains 3 purple, 1 yellow, 1 red, and 1 orange/black low voltage wires. Splice 18/6 low voltage wire to these wires and route them through the low voltage raceway in the CCRP.
4. Using only line voltage rated wire inside the CCRP (Figure 3), connect the override to the low voltage terminal strip in the CCRP as follows:
   - Purple wires connect to OV1, OV2, OV3, or OV4 terminals
   - Red wire connects to OVR terminal
   - Orange/black wire connects to OVS terminal
   - Yellow wire connects to OVC terminal

   NOTE: More than one relay can be overridden in one zone. For example, by wiring the OV1 purple wire from the module to OV1 terminal of the CCRP, override of relay 1 occurs when Zone 1 on the module is enabled. Additional relays can be put on this same override zone by adding a wire jumper between OV1 and OV2 (to override relay 2 at the same time), OV3 (to override relay 3 at the same time) and /or OV4 (to override relays 7, 8, and 9 at the same time).
5. Label each override zone on the module and in the relay panel.
6. Install the front cover on the CCRP and energize the system.

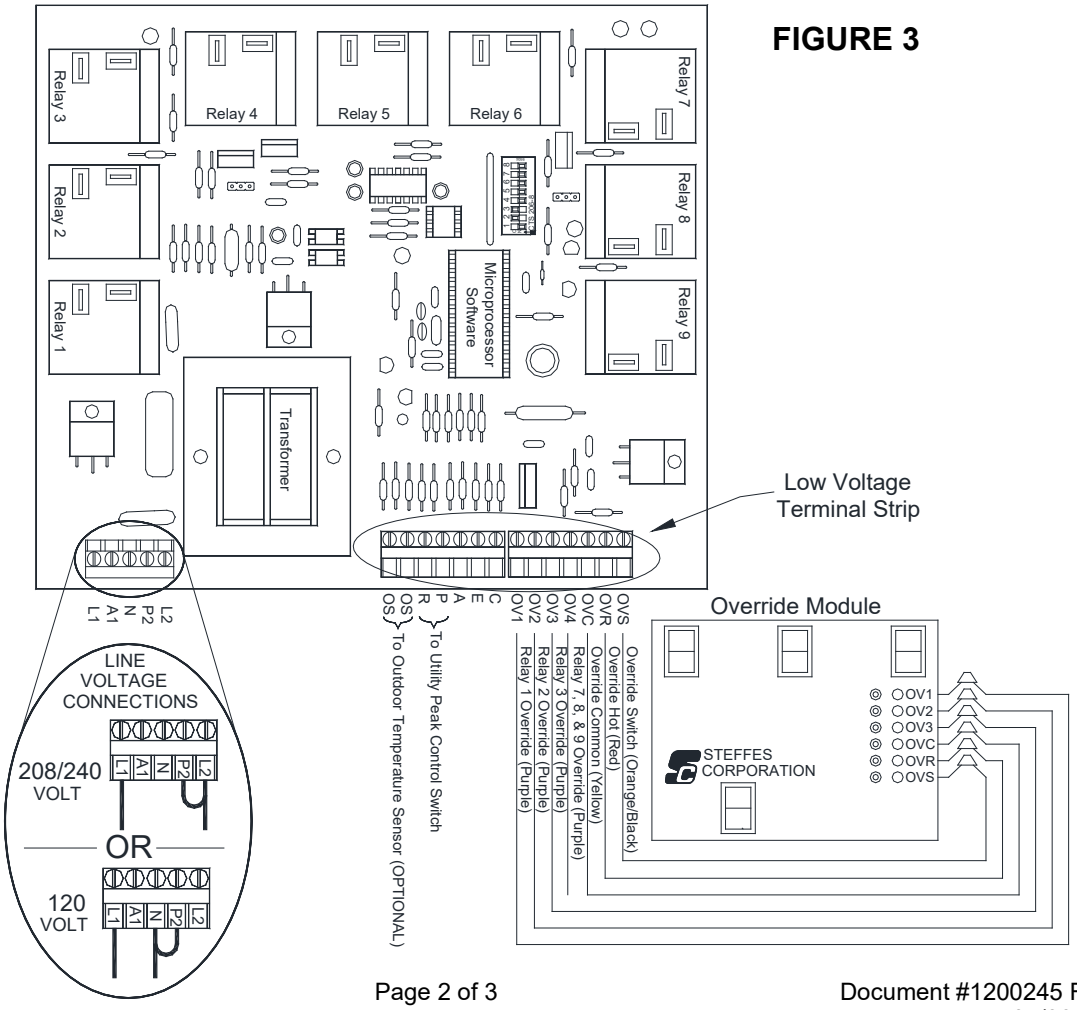

FIGURE 3

OPERATION

1. The module is marked with three separate zones: Zone 1, Zone 2, and Zone 3. These zones correspond to the relays in the transceiver or CCRP. To enable the override module, press the override Start/Stop rocker switch once. The green indicator “Override On” light will illuminate.
2. To activate the override of a zone, press the zone rocker switch to the “Enable” position.

   NOTE: Zone 1, 2 or all three can be enabled at the same time in any sequence. The light on the 3-Zone Override Module corresponds to LED4 in the Transceiver.

3. To deactivate the override of a zone, press the zone rocker switch to the “Disable” position. The override period can be cancelled by pressing the override Start/Stop rocker switch again.

TESTING

1. Initiate a peak mode. Check voltage between T1 and L2 positions of the main wiring terminal block on those circuits connected to the override. There should be no voltage present on any of the circuits.
2. Activate the override by pressing the Start/Stop rocker switch once. Press the rocker switch for Zone 1 to the “Enable” position.
3. Test voltage between T1 and L2 positions of the main wiring terminal block on those circuits connected to Zone 1 Override. There should be a voltage reading. Press Zone 2 and Zone 3 of the override as well.