

SELECTRONIX, INC.
16419 199th Court Northeast
Woodinville, Washington 98077-5401

(425) 788-2979

FAX: (425) 788-7376

T775WiringToSelectronixStepControllers.doc
Rev. 07/21/08

Purpose: Provides wiring instructions to connect a Honeywell T775 Series 1000 temperature controller to Selectronix load controllers.

Reference:

1. Honeywell T775 Instruction manual
2. Selectronix Installation and Operating Manual

Examples of applicable Honeywell Controllers:

Honeywell Controllers with 2-10V output

Part Number	Qty Sensors	Remarks
T775M2006	1	
T775R2027	2	Supports outdoor reset

Configuring Honeywell Unit

Set the T775 modulating output for 2-10 VDC to match the default input setting for the Selectronix controllers.

Configuring SLC2100

Set input jumpers for 2-10 VDC (This is the default position for the jumpers)

Input
E30-E31
E33-E34
E36-E37

Configuring SLC4000

Turn switch ON by pressing down on the side of the switch closest to the legend number

Set DIP switches SW1 for 2-10 VDC: (This is the default position for the jumpers)

SW1	Setting
SW1-1	OFF
SW1-2	ON
SW1-3	ON
SW1-4	ON
SW1-5	ON

Install Sensors per the Honeywell Instructions.

For Honeywell Series 2000

Connect sensor A to Honeywell unit:

Connect Output Modulation to Selectronix unit

1. Connect position 1 (+) to Selectronix TB1-2 (SLC2100) or TB2 (SLC4000)
2. Connect position 2 (-) to Selectronix TB1-3 (SLC2100) or TB3 (SLC4000)

Connect Control Power to Honeywell Unit

1. Refer to the T775 manual for terminal block locations
2. Wire the applicable control power, either 24VAC, 120 VAC, or 240 VAC as applicable.
3. ??Connect earth ground to the green grounding screw in the lower right of the unit.

Connect Output Relays As Applicable

For Honeywell Series 1000

Connect sensor A to Honeywell unit:

1. Locate the green terminal block that has 8 terminals in the center of the unit, adjacent to the transformer.
2. Connect the sensor to terminals 1 and 2

Connect Output Modulation to Selectronix unit

3. Locate the green terminal block that has 3 terminals in the center of the unit, adjacent to the transformer.
4. Connect position 1 (+) to Selectronix TB1-2 (SLC2100) or TB2 (SLC4000)
5. Connect position 2 (-) to Selectronix TB1-3 (SLC2100) or TB3 (SLC4000)

Connect Control Power to Honeywell Unit

4. Refer to the T775 manual for terminal block locations
5. Locate the terminal block under the cardboard insulating barrier that has 3 terminals just below the transformer, and to the right of relay 2.
6. Connect 120 VAC hot to terminal 3 (far right terminal)
7. Connect 120 VAC neutral to terminal 2 (center terminal)
8. Connect earth ground to the green grounding screw in the lower right of the unit.