Selectronix Recommended Temperature/Pressure Controllers And Wiring Notes

Rev. 12/09/19

- **ANY controller or thermostat that provides one of the following signals**
  - **Current:** 4-20 ma or 0-20ma
  - **Voltage:** 0-10 V dc or 2-10 V dc or User-defined input range 0-20 V dc
  - **Slidewire** (typically 135 ohm total resistance).
  - **Potentiometer** Total resistance between 135 ohm and 5K ohm.
  - **Contact closure**

Suitable Electronic Devices

Honeywell Part Number	Description
Remote Temperature Controller T775M2006	2 Sensor inputs and 1 Sensor included, 2 Modulating Outputs, 0 Relay Output
Remote Temperature Controller T775R2043	Remote Temperature Controller **2 Sensor inputs and *2 Sensors included*** 2 Modulating Outputs, 0 Relay Outputs
P7810C1018	Pressure Controller, Electronic, 5-150 PSI

Suitable Non-electronic Slidewire Devices

Honeywell Part Number	Description	Remarks
T991Axxxx, where xxxx specifies the setpoint range	Remote Bulb Temperature Controller	T991A1061 is 160-260 Deg F
L91xyyyy Pressure Controller, where x and yyyy specifies options and Setpoint range	Pressure Controller	L91B1050 is 5-150 PSI
T4031, T6031, L480, L482, T631, T675, T915	***Cooling applications***	

IMPORTANT WIRING CONNECTIONS

Honeywell T775 Electronic/ Selectronix Terminal Designation and Connection

Function	Honeywell Labels		Selectronix Labels	
Command Input (+)	1	W	TB2	R (+)
Command Input (-)	2	R	TB3	W (-)
No Connection	3	B	TB1	

Honeywell Non-Electronic/ Selectronix Terminal Designation and Connection

Function	Honeywell Labels	Selectronix		
Reference Voltage	B	TB1	B	SLC2100 1.0VDC (+) TB3 (-) SLC4000 1.2VDC (+) TB3 (-)
Wiper Input	R	TB2	R	
Signal Common	W	TB3	W	

- Shielded wiring for control signals is highly recommended
  - Terminate the shield at the source end only, or optionally leave the shield unterminated.
- Route signal wires away from AC control power and relay output!