



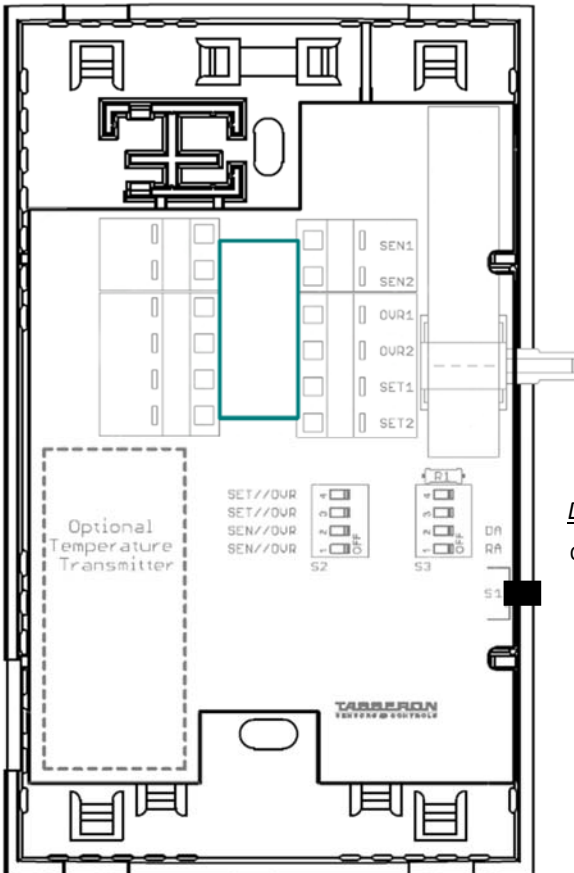
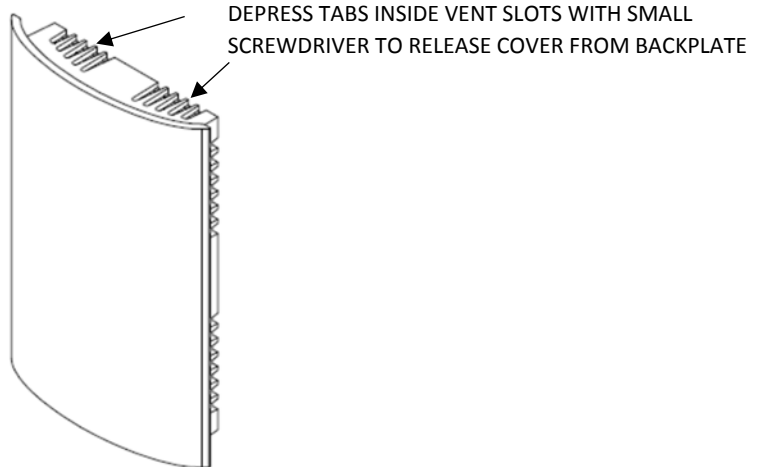
Setpoint / Override Installation Instructions

Read entire instructions before you begin installation. Do not apply power to the system before checking all wiring connections first. Wiring should occur only while power is disconnected. Improperly connected wires can damage equipment. Make all wiring connections in accordance with local, national and regional regulations. Q-Series products and Tasseron Sensors are registered trademarks of Tasseron Sensors Inc. Made in USA.



Mounting:

1. Remove cover from backplate.
2. Feed wires from control through rectangular hole in backplate.
3. Using the mounting holes in backplate, attach backplate to wall or electrical box with screws.
4. Depress orange quick connect tabs to insert wires per the wiring instructions below.



Wiring:

- SEN1** – Temperature Sensor Resistance output to analog controller input
- SEN2** – Temperature Sensor Resistance output to analog controller input
- OVR1** – Override (Used only when override is separate output) to controller input
- OVR2** – Override (Used only when override is separate output) to controller input
- SET1** – Setpoint, resistance output to analog controller input
- SET2** – Setpoint, resistance output to analog controller input

DIP Switch 'S2' - Override Settings:

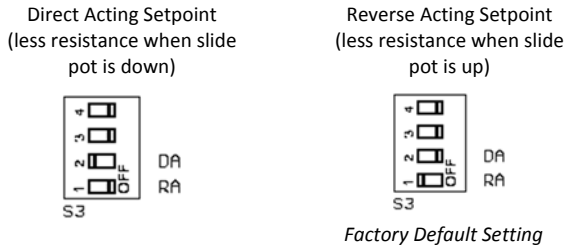
<p>Override is Separate output. Differential grounds</p> <p>S2</p> <p>Factory Default Setting</p>	<p>Override is parallel w/ sensor. Differential grounds</p> <p>S2</p>	<p>Override is parallel w/ setpoint. Differential grounds</p> <p>S2</p>
<p>Override is Separate output. Common grounds</p> <p>S2</p>	<p>Override is parallel w/ sensor. Common grounds</p> <p>S2</p>	<p>Override is parallel w/ setpoint. Common grounds</p> <p>S2</p>

DIP Switch 'S2' - Functionality:

- S2-1** – When closed, connects the ground of Sensor circuit (SEN2) with the ground of the Override circuit (OVR2)
- S2-2** – When closed, connects the Sensor circuit (SEN1) with the Override circuit (OVR1)
- S2-3** – When closed, connects the Setpoint circuit (SET1) with the Override circuit (OVR1)
- S2-4** – When closed, connects the ground of the Setpoint circuit (SET2) with the ground of the Override circuit (OVR2)

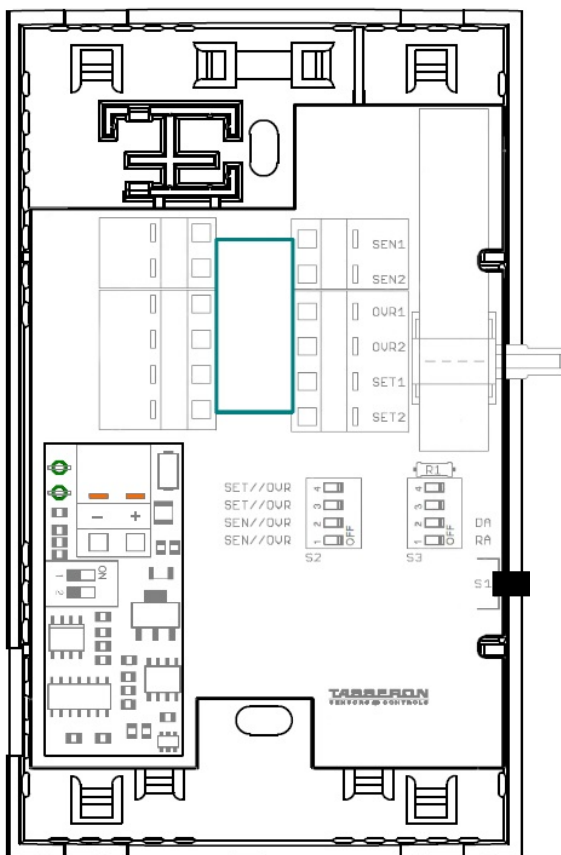
*** **S2-2** and **S2-3** should never be closed at the same time as results would be unpredictable. ***

DIP Switch 'S3' - Setpoint Action Settings:



Settings for Optional Temperature Transmitter:

Units equipped with the optional temperature transmitter cannot be configured to connect the sensor circuit in parallel with the override. Override MUST be configured as a separate output or in parallel with the setpoint potentiometer. The 2-wire temp transmitter connection will be made on the lower quick connect terminals of the transmitter PCB in the lower left of the main PCB. Wire the power supply from the loop to the (+) terminal and the ground to the (-). 4-20mA Transmitter features field selectable output ranges.



Wiring:

- SEN1** – No Function
- SEN2** – No Function
- OVR1** – Override (Used only when override is separate output) to controller input
- OVR2** – Override (Used only when override is separate output) to controller input
- SET1** – Setpoint, resistance output to analog controller input
- SET2** – Setpoint, resistance output to analog controller input
- + Temperature Transmitter power supply from loop (8-36V DC)
- Temperature loop ground

Temperature Transmitter - Field Selectable Ranges DIP Settings:

	Temperature	DIP Positions	Switch 1	Switch 2
Range 1	32°F-212°F (0°C-100°C)	Switch 1: Left, Switch 2: Left	Off	Off
Range 2	19°F-120°F (-7°C-49°C)	Switch 1: Left, Switch 2: Right	Off	On
Range 3	0°F-100°F (-18°C-38°C)	Switch 1: Right, Switch 2: Left	On	Off