



**Series RFS** switches ship from the factory set to their minimum set points of 0.15" wc. When changing the set point of an air switch, do not exceed the maximum number of turns of the adjustment screw: eight (8) full turns, after five (5) initial turns required to engage the spring. The eight (8) full turns cover the entire set point range of either 0.15 to 2.0"wc, or .15 to 5.0"wc, as shown in Figures 1 and 2.

**Please Note:** To precisely calibrate a Cleveland Controls air switch, a digital manometer is recommended to confirm set point at actual operating temperature.

### **Field Calibrating 2.0" Adjustable Switches (such as RFS-4100-041)**

These switches have an adjustment range of 0.15 ±0.02"wc to 2.0"wc. To achieve a given set point, use the following procedure.

Turn the adjusting screw counter-clockwise until motion has stopped. Next, turn the adjusting screw five complete turns in a clockwise direction to engage the spring. From this point, the next eight turns will be used for the actual calibration: Each full turn represents approximately 0.23" wc. See Figure 1 (on page 2).

#### **Example:**

To set the switch at 1.0" wc, turn the screw counter-clockwise until travel stops. Then turn five turns clockwise to engage the spring. A further 3-¾ turns clockwise will result in a setting of 1.0" wc (approximately).

### **Field Calibrating 5.0" Adjustable Switches (such as RFS-4100-040)**

These switches have an adjustment range of 0.15 ±0.02"wc to 5.0"wc. To achieve a given set point, use the following procedure.

Turn the adjusting screw counter-clockwise until motion has stopped. Next, turn the adjusting screw five (5) complete turns in a clockwise direction to engage the spring. From this point, the next eight (8) turns will be used for the actual calibration: Each full turn represents approximately 0.61" w.c. See Figure 2 (on page 2).

#### **Example:**

To set the switch at 2.5" wc, turn the screw counter-clockwise until travel stops. Then turn five turns clockwise to engage the spring. A further 4 turns clockwise will result in a setting of 2.5" wc (approximately).

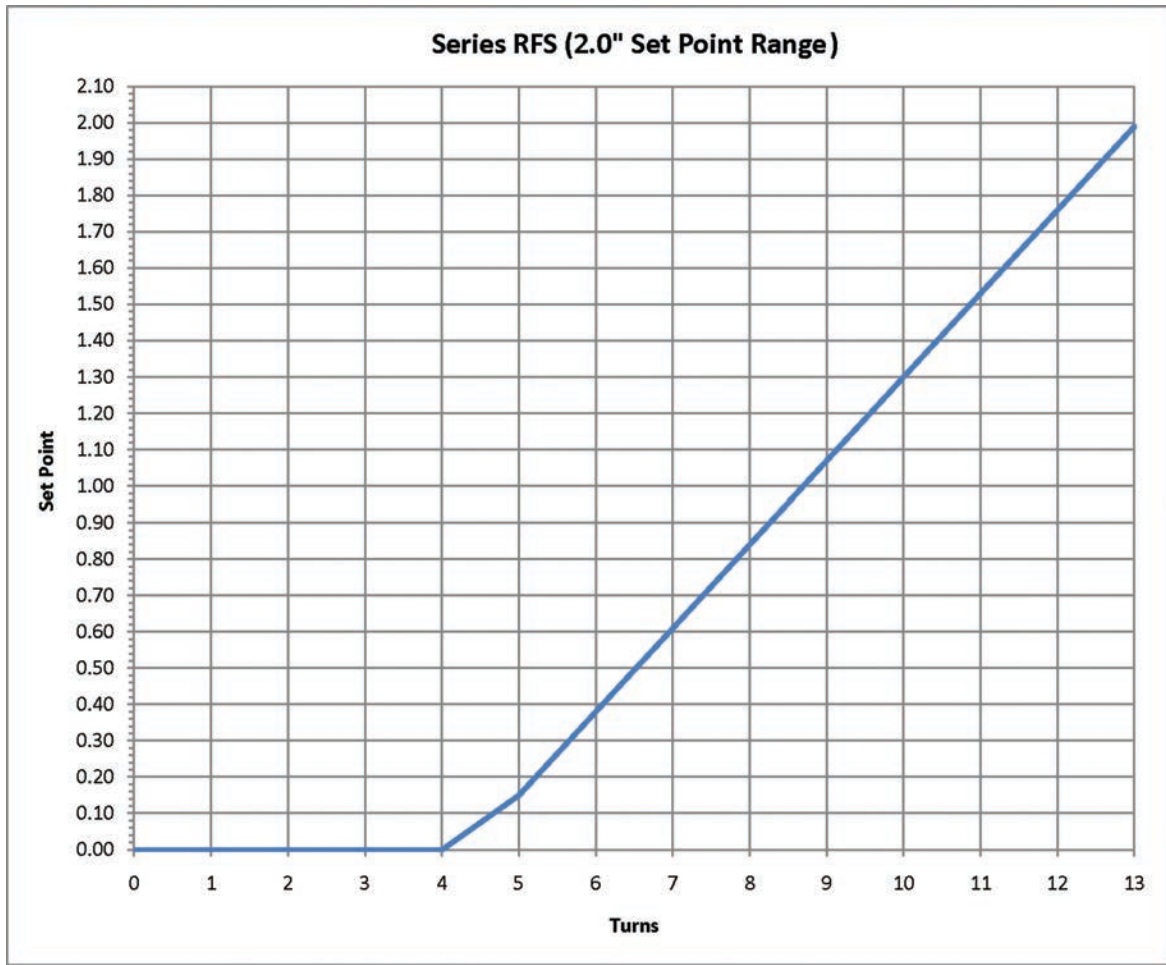


Figure 1

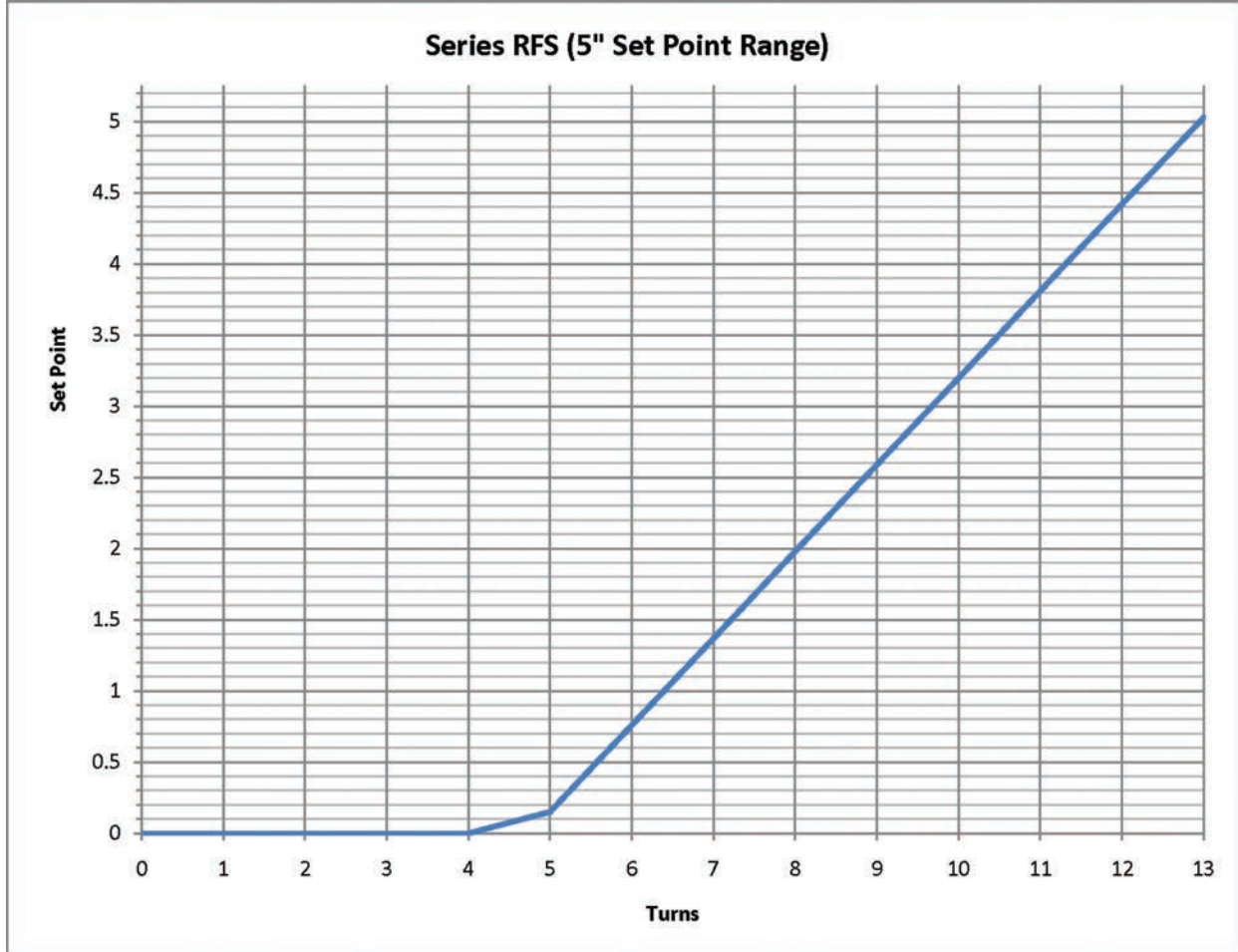


Figure 2