



# Field Calibration of Series AFS Sensing Switches Bulletin AFS-04.00

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## To adjust the set point on any Cleveland Controls Series AFS Air Switch with Adjustment Range of 0.05 - 12.0" w.c. $\pm$ 0.02" w.c.:

Turn the adjusting screw counter-clockwise until motion has stopped. Next, turn the adjusting screw four complete turns in a clockwise direction to engage the spring. From this point, the next **ten turns** will be used for the actual calibration: **Each full turn represents approximately 1.2" w.c.**

*example:*

To set the switch at 3.0" w.c., turn the screw counter-clockwise until travel stops. Then turn four turns in a clockwise direction to engage the spring. A further 2 1/2 turns in a clockwise direction will result in a setting of 3.0" w.c. because: (2 1/2 turns) x (1.2" w.c. per turn) = 3.0" w.c..

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## To adjust the set point on any Cleveland Controls Series AFS Air Switch with Adjustment Range of 0.05 - 2.0" w.c. $\pm$ 0.02" w.c.:

Turn the adjusting screw counter-clockwise until motion has stopped. Next, turn the adjusting screw four complete turns in a clockwise direction to engage the spring. From this point, the **next ten turns** will be used for the actual calibration: **Each full turn represents approximately 0.2" w.c.**

*example:*

To set the switch at 0.6" w.c., turn the screw counter-clockwise until travel stops. Then turn four turns in a clockwise direction to engage the spring. A further 2 1/2 turns in a clockwise direction will result in a setting of 0.6" w.c. because: (2 1/2 turns) x (0.2" w.c. per turn) = 0.6" w.c..

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## To adjust the set point on a Cleveland Controls AFS-460 Manual Reset Air Switch with Adjustment Range of 0.40 - 12.0" w.c. $\pm$ 0.06" w.c.:

Turn the adjusting screw counter-clockwise until motion has stopped. Next, turn the adjusting screw four complete turns in a clockwise direction to engage the spring. From this point, the next ten turns will be used for the actual calibration: **Each full turn represents approximately 1.16" w.c.**

*example:*

To set the switch at 2.9" w.c., turn the screw counter-clockwise until travel stops. Then turn four turns in a clockwise direction to engage the spring. A further 2 1/2 turns in a clockwise direction will result in a setting of 3.0" w.c. because: (2 1/2 turns) x (1.16" w.c. per turn) = 2.9" w.c.

**Please Note:** To properly calibrate a Cleveland Controls Air Switch, a digital manometer or other measuring device should be used to confirm actual set point.

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### Cleveland Controls Division of UniControl Inc.

1111 Brookpark Road • Cleveland OH 44109  
TEL: (216) 398-0330 • FAX: (216) 398-8558  
<http://www.clevelandcontrols.com>

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