CCS

Installation & Maintenance Instructions

# Switch Model [illegible] & [illegible], non-explosion-proof series

IMMEDIATE ELECTRICAL RATING

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|---|---|
| [illegible] | [illegible] |
| [illegible] | [illegible] |
| [illegible] | [illegible] |

The CCS non-explosion proof switches are designed to provide long life and maintain excellent set point accuracy under adverse environmental conditions.

Check nameplate on the switch for maximum proof (overpressure) limits. If you have any questions, please contact CCS sales department or CCS authorized sales representatives.

## GENERAL:

a. Observe all Warnings and Cautions contained on the attached Warning Sticker, the Warning Declaration and the CCS catalog.
b. Follow all applicable governmental or other codes or regulations.
c. Special conditions for safe use: The integral line lead wires or cables shall be mechanically protected and terminated in a suitable junction or terminal facility.
d. If the field wiring is terminated in an explosive atmosphere, then a suitably certified termination facility shall be used.

## MOUNTING:

a. Units may be mounted in any position on a flat surface using (2) mounting holes provided and M5 screws at least 50 mm. long.

**WARNING: RELIEVE ALL PRESSURE PRIOR TO INSTALLATION OR REMOVAL OF THIS DEVICE. DO NOT EXCEED NAMEPLATE LISTED PROOF PRESSURES.**

a. Most units are supplied with female NPT ports suitable for connection to NPT pipe nipples or NPT taper threaded pipe with max. installation torque of 12.5 ft. CCS recommends use of either a union or bendable tubing. This will eliminate excessive stress on the housing. Avoid excessive torque on all threaded connections.
b. Pipe joint sealing, compound is preferred over Teflon tape. However, either method of sealing is acceptable with proper care to avoid introducing sealing material into pressure switch or plumbing.

## ELECTRICAL CONNECTIONS:

**WARNING: DO NOT MAKE ELECTRICAL CONNECTIONS WHILE ELECTRICAL POWER IS ON. THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN TO AVOID RISK OF ELECTROCUTION.**

a. Electrical conductors are provided within a male conduit connection.
b. When making wire connections disconnect electrical power. Check the multiple circuits.
c. Make electrical connections in accordance with NEC and all appropriate codes and regulations. Conduit enclosure shall be wrench tight or 12.5 ft. lb. max. torque applied. Keep as much wire as possible for a service loop to facilitate service, see wiring diagrams.
d. Proper grounding must be accomplished by use of ground wire as provided. It is the responsibility of the user to ensure proper and effective arrangements are made for earth fault protection and equipotential bonding functions or some other equally effective method.
e. The terminal box kit option is available, see selection guide on CCS website.

## ADJUSTMENT:

Pressure settings are extremely adjustable. (Not applicable if units are factory set).

a. If the electrical circuit cannot be used for testing, disconnect electrical power and use a suitable circuit tester or light bulb. Loosen access cover and turn adjustment screw using screwdriver slot as illustrated. turn clockwise to increase settings and or turn counterclockwise to decrease setting.
b. Re-tighten access cover.
c. Reconnect electrical circuit, 12.5 ft. lb. max.
d. Return power to unit.

## FOR SERVICE OR ORDERING INFORMATION

Consult factory or authorized factory representative. Specify full catalog part number (with optional modification) and factory set-point.

## WARRANTY

All CCS products and services are sold subject to "CCS standard terms and conditions of sale".


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WARRANTY/DISCLAIMER

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