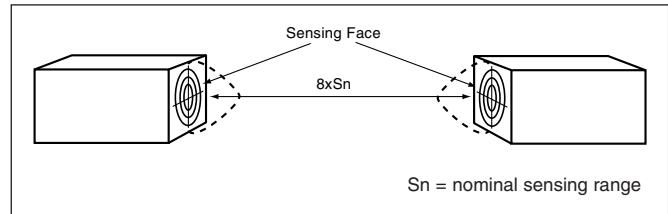
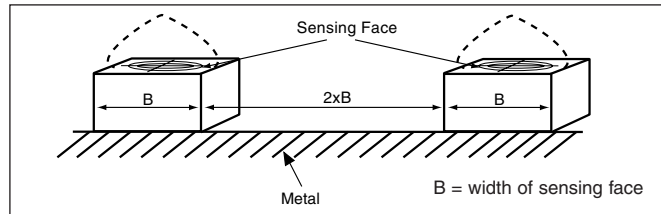
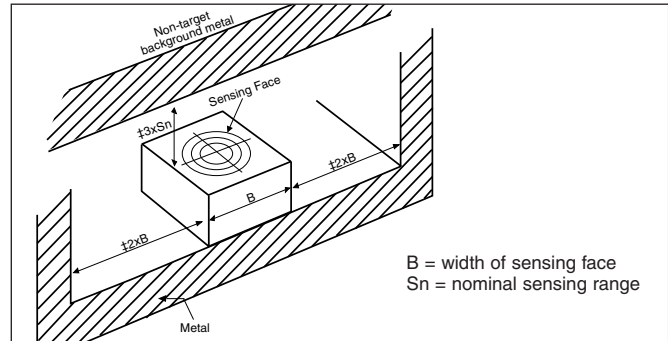
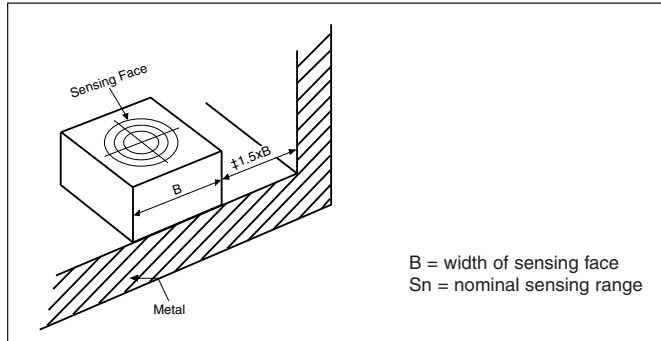


## Mounting Instructions

### Inductive nonflush mountable rectangular switches - adjustable / CSA Div. 2

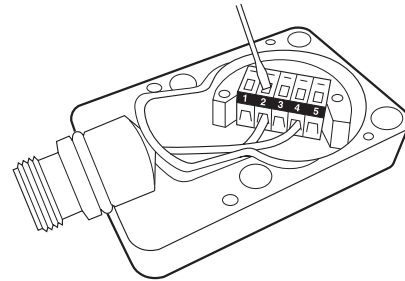
Nonflush mountable rectangular switches should have a metal-free zone surrounding the sensing face in accordance with the diagrams shown here.



## Wiring

The output of the switch can be programmed normally open or normally closed. It will be shipped normally open unless specified normally closed when ordered. To change from normally open to normally closed, remove the wire from terminal 4 and insert in terminal 5.

To access the terminal block, loosen the four screws on the switch housing and remove the switch from the base. To remove or insert a wire into the terminal block, apply firm downward pressure to the top of one of the numbered rectangular openings with a screwdriver or similar tool. The pressure from the screwdriver will open the spring contact enabling you to remove or insert a wire.



## Adjustment to Range

Place the target in position where detection is to take place. If the factory setting of the sensitivity adjustment has not been disturbed, the indicator LED should be on. Factory setting of the sensitivity range involves tuning the switch so the LED just turns on when a target is placed at the maximum sensing range of the switch. The target should be made of mild steel and be at least as large as the sensing area of the switch. Further adjustment is not usually required.

If the indicator LED is not on, the application is beyond the range of the switch. No increase in sensitivity above this setting should be used even if it seems to work.

If there is a known position where the switch must be off, move the target to that position and observe that the indicator LED turns off. If it doesn't, decrease the sensitivity (ccw) until it turns off and continue an additional quarter turn. Verify that it still turns on when the target is returned to its original position.

### WARNING

Explosion Hazard — substitution of components may impair suitability of Class 1, Div. 2.

### CAUTION

Nonmetallic enclosure does not provide grounding between conduit connections. Use grounding type bushing and jumper wires. Use only ifm effector conduit adapters (U30029, U30030, U30031) or other CSA certified conduit adapters.

### ELECTRICAL



**DO NOT** operate an incandescent light bulb as a load. The current inrush when the bulb is cold can cause a current overload.



**DO NOT** operate a proximity sensor directly from a voltage supply without a load. This is a short circuit and can cause damage. Note: insert a miniature fuse according to the technical data sheet, if specified.



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**Concerning Safety...** ifm effector makes every effort to build a dependable product, but every product will eventually fail. Therefore, your equipment must be designed to prevent property damage and personal injury if our products fail. ifm effector proximity switches are not designed to be used as stand-alone devices to protect or guard human life or limb.