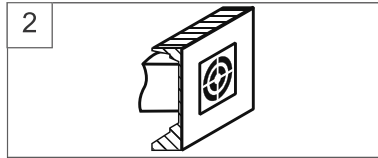
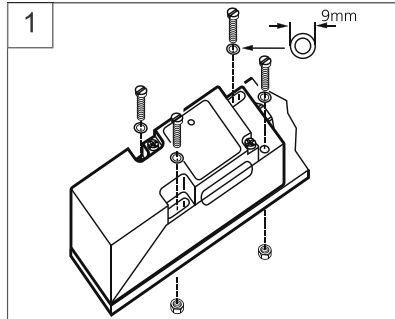


Mounting Instructions

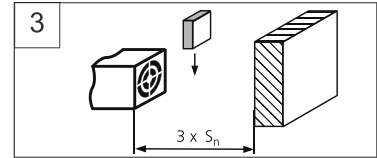
Inductive flush mountable proximity switches / CSA Div. 2

efector100®

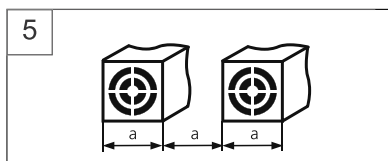
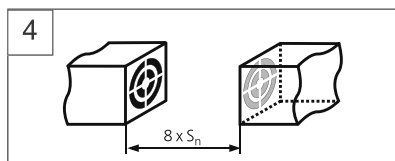
The proximity switch detects metals without contact and indicates their presence by providing a switched signal. The nominal sensing range (S_n) can be seen on the label of the unit.



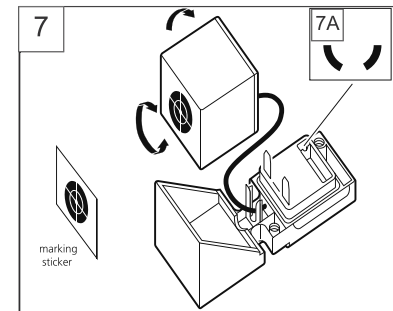
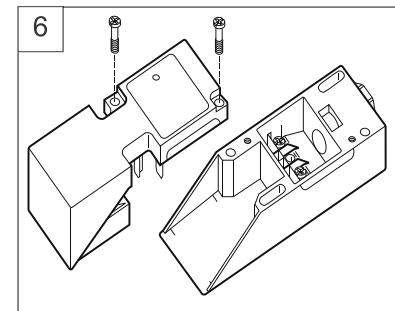
Screw the proximity switch to a firm base. If there is high mechanical stress, ensure that it cannot work loose. Flush mountable (figure 1 and 2.)



When mounted in metal, the metal must not protrude over the sensing face. Open space in front of the sensing face when mounting in metal (figure 3.)



Minimum distance when several switches of the same type are mounted (figure 4 and 5.)



Alignment of the sensing face

Remove the sensor cube (figure 7); align sensing face and reinsert the sensor cube.

When the switch has been screwed together, position the marking sticker provided on the outer surface of the unit so that the sensing face is marked.

Operation

Check the safe functioning of the switch. The LED is lit when the supply voltage is applied. The operation of the proximity switch is maintenance free. For perfect functioning make sure that the sensing face and the open space are kept free of metal deposits and foreign bodies, particularly for installation with the sensing face is upwards.

The unit conforms to the requirements of EN60947-5-2.

Disconnect power before connecting the proximity switch. Open the switch (figure 6); connect the cable in accordance with the instructions on the label.

Units which are not programmed by means of connections are provided in normally open. Open the wire link for programming normally closed (figure 7A.)

CSA for Hazardous Locations

When wired in accordance with CEC and this mounting instructions.

Class I, Div. 2, Groups A, B, C and D

Class II, Div. 2, Groups E, F and G

Class III, T4

Enclosure: Type 4/4x

Temp. range: -13° to 176°F (-25° to 80°C)

WARNING

Explosion Hazard – substitution of components may impair suitability of Class 1, Div. 2. Do not disconnect while circuit is live unless area is known to be non-hazardous.

AVERTISSEMENT

Risque d'explosion - La Substitution de composants peut rendre ce matériel inacceptable pour les emplacements de classe I division 2. Ne pas débrancher tant que le circuit est sous tensions, à moins qu'il ne s'agisse d'un emplacement non dangereux.

CAUTION

Use only ifm efector conduit adapters (U30029, U30030, U30031) or other CSA certified conduit adapters.

ATTENTION

Utiliser uniquement les adaptateurs tube d'ifm efector (U30029, U30030, U30031) ou d'autres adaptateurs tube certifiés par CSA.

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.

Concerning Safety... ifm efector 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 efector proximity switches are not designed to be used as stand-alone devices to protect or guard human life or limb.