

# Stedham Electronics Corporation

## Installing a Capacitive Prox Sensor

Stedham Electronics has all mounting brackets and accessories required for standard installations (See Accessories). Should you have special requirements we will be happy to provide custom solutions and application help.

D-Type sensors with metal housings may be flush mounted. These sensors may be mounted side-by-side.

Sensors with plastic housings require an area of free space around the sensing face. The face of the sensor should be positioned from the mounting surface a distance equivalent to the diameter of the sensor (see Figure 1). Such sensors may be mounted as close as two diameters (on center) to one another to prevent “cross-talk” interference.

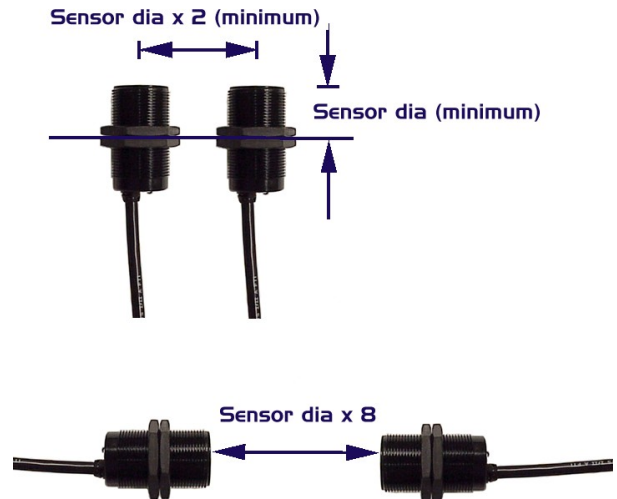
When sensors are facing each other, they should be no closer than 8 times the sensing distance (See Figure 2).

On cable versions, Stedham Electronics provides tinned wire ends. If you need to trim the cable, please tin the wire ends to assure proper connection.

Care should be taken to assure that the target does not strike the sensor. Care should also be taken to assure that excessive dust, shavings, chips, liquids, etc. can not collect directly on the sensor face or in the sensing field.

Connecting cables may be run in conduit with other control wiring. **Never run DC connecting cables in conduit containing AC power wiring!**

**Figure 1**



**Figure 2**