

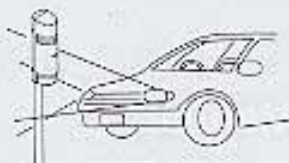
2 CAUTIONS

Position the sensor with consideration to installation site, installation height and protection distance for effective use.

1) DON'T'S



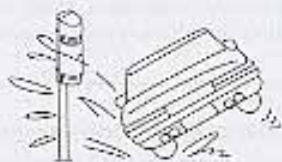
- Do not install in a site where beam may be interrupted by trees or plants, consider seasonal changes.



- Avoid strong light from sun, automobile headlights etc. shining on transmitter or receiver (Avoid light in a direct path of $\pm 2^\circ$ of optical axis.)

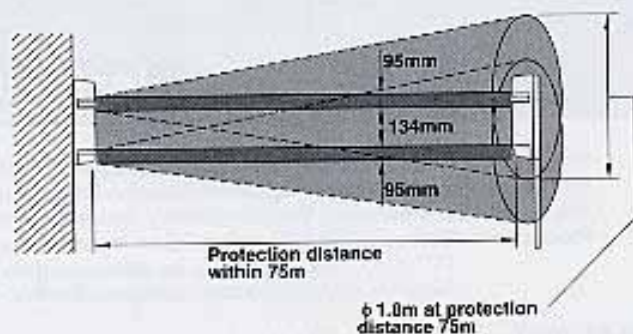


- Do not install the unit on unsteady surfaces.



- Do not install in places where units may be splashed continuously by dirty water or direct sea spray. (Causes dirt or salt build-up on enclosures.)

2) Installation height and protection distance

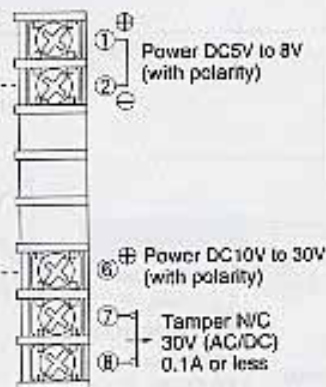


- In most cases, the beam should be installed at a height of 27" to 35" (70cm-90cm)

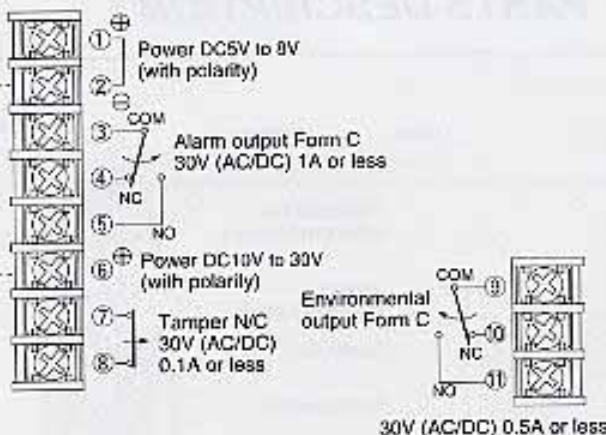
3 WIRING

Terminal arrangement

[Transmitter]



[Receiver]



Wiring Distance between sensor and power supply unit

wire size	voltage	6V	12V	24V
0.3 mm ² (φ 0.65mm)		1770' (540m)	2230' (680m)	19900' (6070m)
0.4 mm ² (φ 0.7mm)		2070' (630m)	2590' (790m)	23100' (7040m)
0.5 mm ² (φ 0.8mm)		2720' (830m)	3380' (1030m)	30200' (9200m)
0.64mm ² (φ 0.9mm)		3440' (1050m)	4300' (1310m)	39200' (11650m)

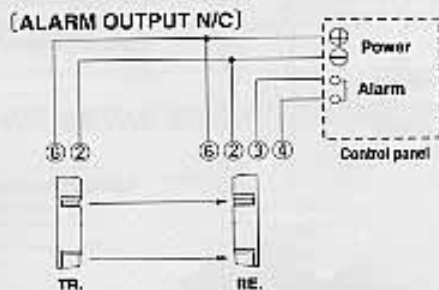
Note 1) Max. wiring distance when two or more sets are connected is the left value divided by the number of sets.

Note 2) The signal line can be wired to a distance of up to approx. 3280' (1000m) with AWG 22 (Dia. 0.65mm) telephone wire.

Wiring

★ BY WIRE

1) Standard connection (DC12V-DC24V)



2) Standard connection (DC6V)

