BOSCH

1: Mounting Location

A. Wall mounting:

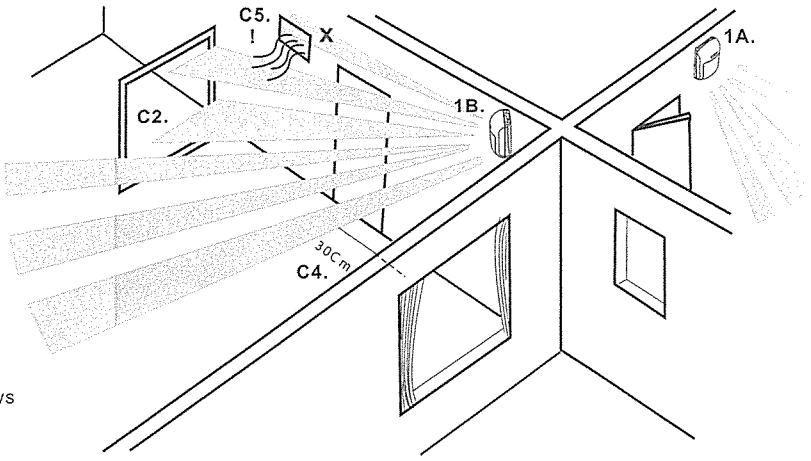
1. Sensor base fastened flat on vertical wall (± 2 degrees)

B. Bracket mounting:

1. Bracket fastened to semi-vertical surface (± 15 degrees)
2. Sensor on bracket in vertical position (± 2 degrees)

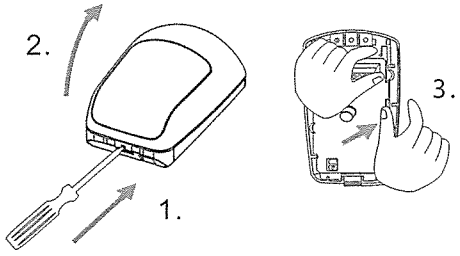
C. All mounting:

1. Height = 2.3 m or 3m above floor of monitored area
2. Clear line-of-sight from sensor to monitored area
   Note: glass will block sensor's view.
3. Wall temperature similar to walls/floor of monitored area
4. Sensor aimed away from windows and reflected sunlight
5. Sensor aimed away from heaters or heater/cooler outlets
6. Sensor aimed so that likely intruder paths cross three views



2: Sensor Disassembly

In slot at sensor bottom, use screwdriver or thumbnail to push inward (1.) on cover latch. (2.) Remove cover.(3.) Push outward on circuit board latch at sensor base right side. Using circuit board terminal block as handle,gently lift circuit board right side and remove.

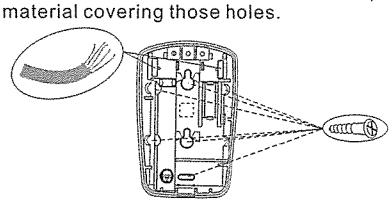


3: Base Hole Preparation

Identify necessary holes on diagram;

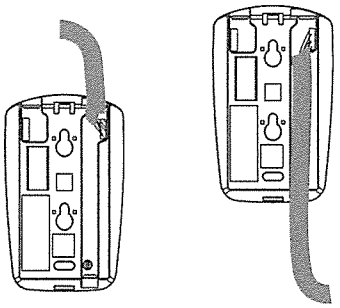
1. For wall mounting,knock out hole covers.
2. For corner or 45 degree wall mounting, use drill to open at least two holes at base side depressions.
3. For bracket mounting, use drill to open a 3 mm hole in the center of the square recess at the rear of the base. See 6 for more.

If cable ties will be added for wire strain relief, select holes needed, then clear out thin plastic material covering those holes.



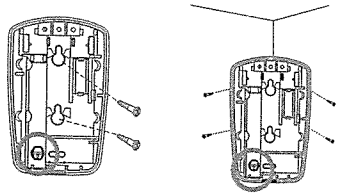
4: Cable Preparation

Remove 8 cm of cable jacket. Pass the cable wires through the selected hole. Lay cable in wire channel. Secure cable with cable tie.



5: Wall Mounting

Use screws to mount on wall or in corner.



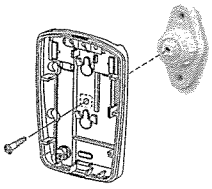
Set circuit board alignment post in position "0"or "1" to select mounting height.

Alignment Post position "0"
Use with:
Wide-angle lens.
Curtain lens

Alignment Post position "1"
Use with:
Wide-angle lens
Curtain lens

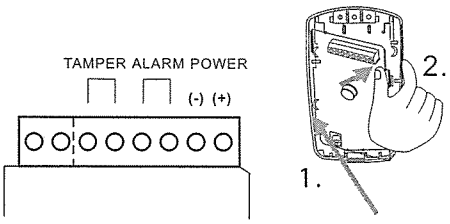
6: Bracket Mounting

Use screws to mount bracket in desired location. Use screw to mount sensor base onto bracket. Refer to 5 for setting circuit board alignment post.



7: Circuit Board Installation

To replace circuit board, (1.) place circuit board left edge into two left-hand mounting slots in sensor base. (2.) On right-hand side, gently press circuit board into place until latch snaps over circuit board.Cut cable wires to appropriate length and connect wires to sensor terminal



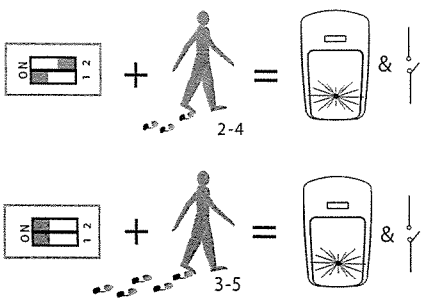
8: Operation Programming

Set S1:1 and S1:2 according to need. If there is a way for intruders to pass only a very short distance in the sensor's view, or if aggressive detection is required, then use high sensitivity. Otherwise, standard sensitivity is fine for ordinary applications.Factory-set S1 positions are shown below in gray.
Pulse counts: High=2; Standard=3.

DS941			
FUNCTION	S1	ON	OFF
SENSITIVITY	2	STANDARD	HIGH
LED ENABLE	1	ENABLE	DISABLE

9: Motion Distance Sensitivity

With standard sensitivity, detection occurs in 3 to 5 steps. With high sensitivity, detection occurs in 2 to 4 steps.



10: LED Indicator Operation

The chart below shows possible LED indications.

DS941	
Sensor State	LED Display
Warm-up	ON
Alarm	ON 5 Sesonds (IF LED ENABLED)
Failure	Flashing
Normal	OFF