

GX360

360 deg ceiling PIR with Audio detection

INSTALLATION AND OPERATING INSTRUCTIONS

FORWARD

The GX360 is a 12 volt DC ceiling passive detectors with the addition of Audio detection. Up to four (4) GX360 detectors may be connected to one (1) DX360 control unit. Four core alarm or telephone cable is used to wire the detectors to the control unit.

The DX360 produces 12 volts DC for the GX360 detectors and switches mains voltage up to 3KW of incandescent lighting or 2KW of fluorescent lighting.

A light sensor which is built in to the GX360 detectors inhibits the DX360 from turning the lights ON if the room is too bright.

The DX360 can only be initiated by PIR detection but once activated, sound detection will keep the lights ON. This is especially useful in offices where people sit very still or are obscured by furniture. The sound of speech or typing on a key board will be sufficient to maintain detection.

FIXING

The GX360 can be fitted to a wall or ceiling where it will view 360 degrees to cover the appropriate area. The range is variable up to 12 metres. As the GX360 detector also detects sound, it is important to fit the detector on a solid surface with limited vibration. Any vibration will be picked up by the detector and cause it to keep the lighting ON. An audio sensitivity control is provided to reduce this detection or disable it altogether.

SPECIFICATION

- Input voltage 12 volts DC
- Power consumption 15 m/a
- Detector output voltage 3-12 volts DC
- Audio sensitivity Adjustable
- PIR sensitivity Adjustable

DETECTOR WIRING

The detectors may be wired in a chain or alternatively wired back separately to the control unit using 4 core alarm cable (7/2/4) or telephone cable. The wiring example in Fig 1 shows two detectors wired to one DX360. Up to four (4) detectors may be connected to one DX360 control unit.

All GX360 detectors have built in light sensors but only one is required for each DX360 control unit as shown.

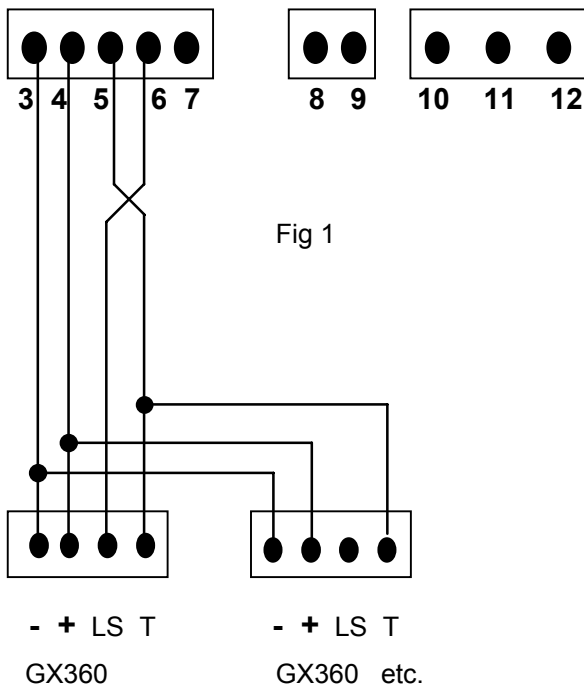
COMMISSIONING.

Set the DX360 for walk test. Allow about two minutes for the detectors to settle before beginning the tests. Turn both audio and PIR sensitivity controls to maximum. Each time movement or sound is detected by the GX360's the red trigger indicator will light. In addition the room lights will come on for about 20 seconds. Walk about within the detection area to make sure you are satisfied with the coverage. Try to keep quiet when walk testing or turn the audio detection control on the GX360 down to minimum. When satisfied with the set up, set the DX360 up for normal use. See separate DX360 instructions.

TROUBLE SHOOTING

PROBLEM	Lights remain ON
SOLUTION	Look at the detector and observe the red detection indicator. In a quiet room without movement this indicator should not light. If it does, turn the AUDIO sensitivity control down as it may be picking up vibration from the ceiling. Turning this control down fully stops the audio detection altogether. If the problem persists, turn down the PIR sensitivity as well. If both the above methods fail, try removing the trigger wire from terminal 5. The lights must turn off after the set time period. If they do not, check the wiring for Live In and Live Out to make sure they are the correct way round.

DX360



TECHNICAL HELPLINE 0181 3615255

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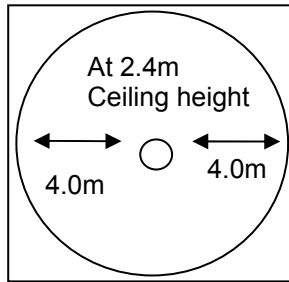
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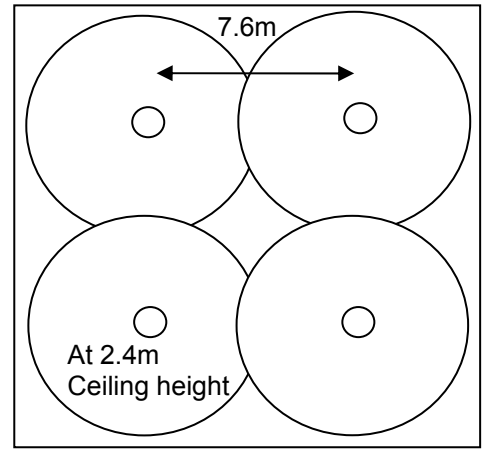
www.luminite.co.uk

Lens Information

Mounting height Above floor	Sensing diameter
6.0m	15.2m
5.4m	14.0m
4.8m	12.6m
4.2m	11.6m
3.6m	10.4m
3.0m	9.2m
2.7m	8.6m
2.4m	8.0m



At 2.4m ceiling height the detectors cover a radius of 4 metres. (Diameter 8 metres)



To cover a large area it will be necessary to use more than one detector as shown. Detector coverage should overlap for best results.

