Motion sensor DALI

Passive infrared DALI detector ceiling recessed

Model number:	**IR-C12D-LC**
Connects to:	DALI
Mounting:	In ceiling
Dimensions:	90x90x40.54mm

Applications

- Motion detector
- Ready light
- Intrusion detector
- Lighting control
- Hotel GRMS

Features

- Aestetical look
- Easy mount
- Powered by DALI bus
- Simple Group Assignment Via Rotary Switch
- High sensitivity PIR sensor

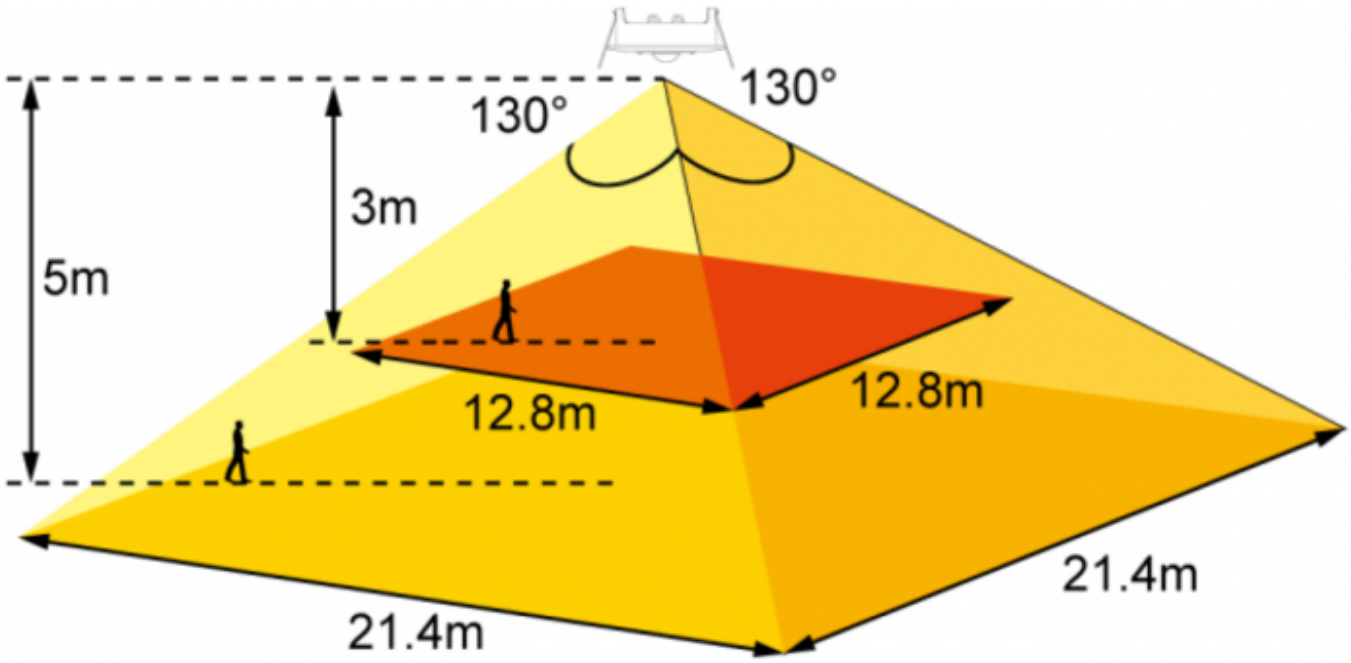
General description

A passive infrared detector with sleek and compact housing on DALI system.

Installation instruction

- Do not install the detector at position which faces direct or reflected sunlight or near windows with direct car headlight.
- Ensure that there are no obstructions (plants, screens, furniture etc.) in the field of view that may cause incorrect cover/operation of the detector.
- Avoid locating the detector in areas that contain equipment that may change the environment temperature rapidly (i.e. above radiator or under the air-conditioner)
- Install the detector at proper height on a rigid surface. Do not install the detector on vibrating surface.
- PIR detector is more sensitive to the motions “across” the detection zones than “toward” or “away”.

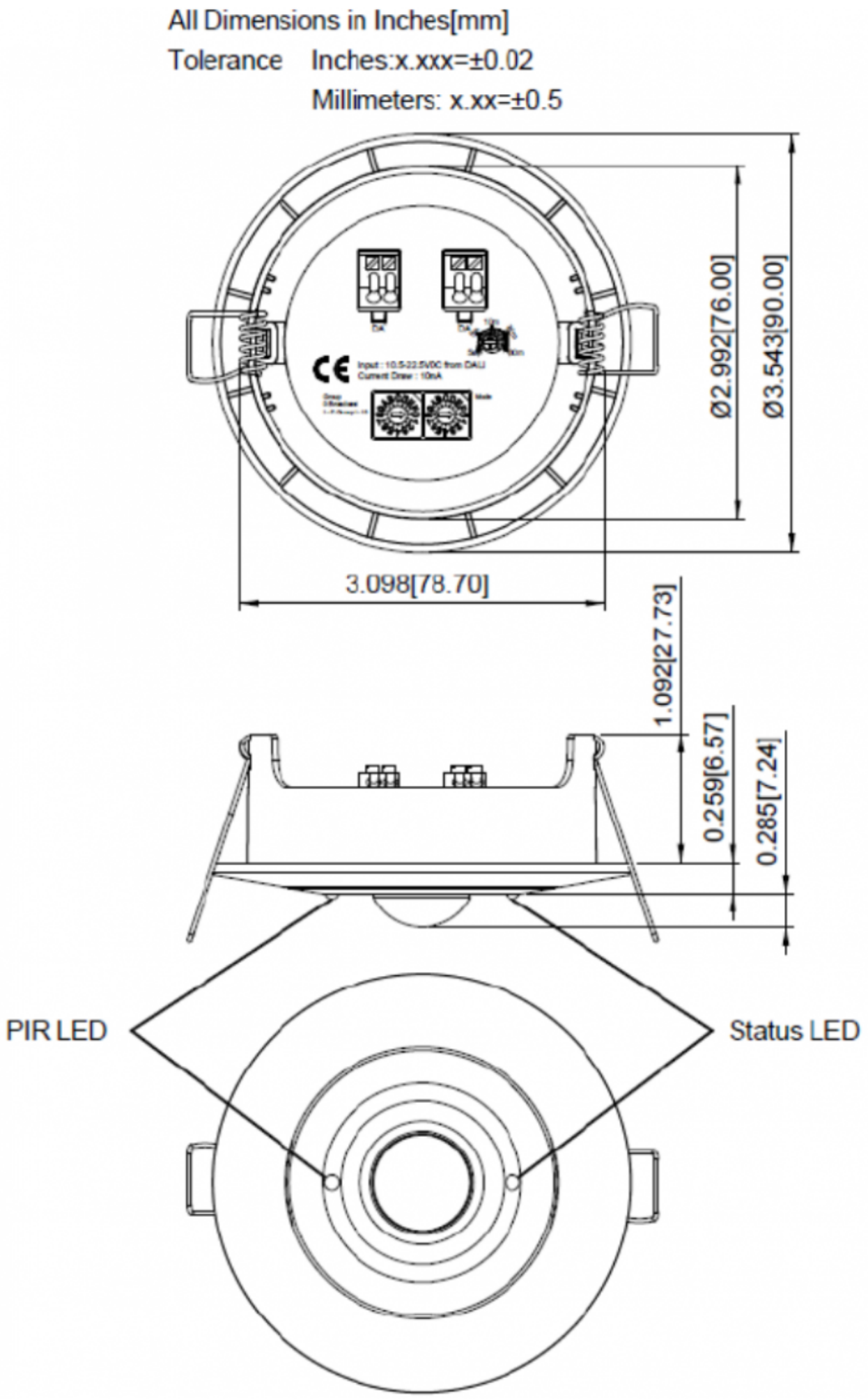
Range



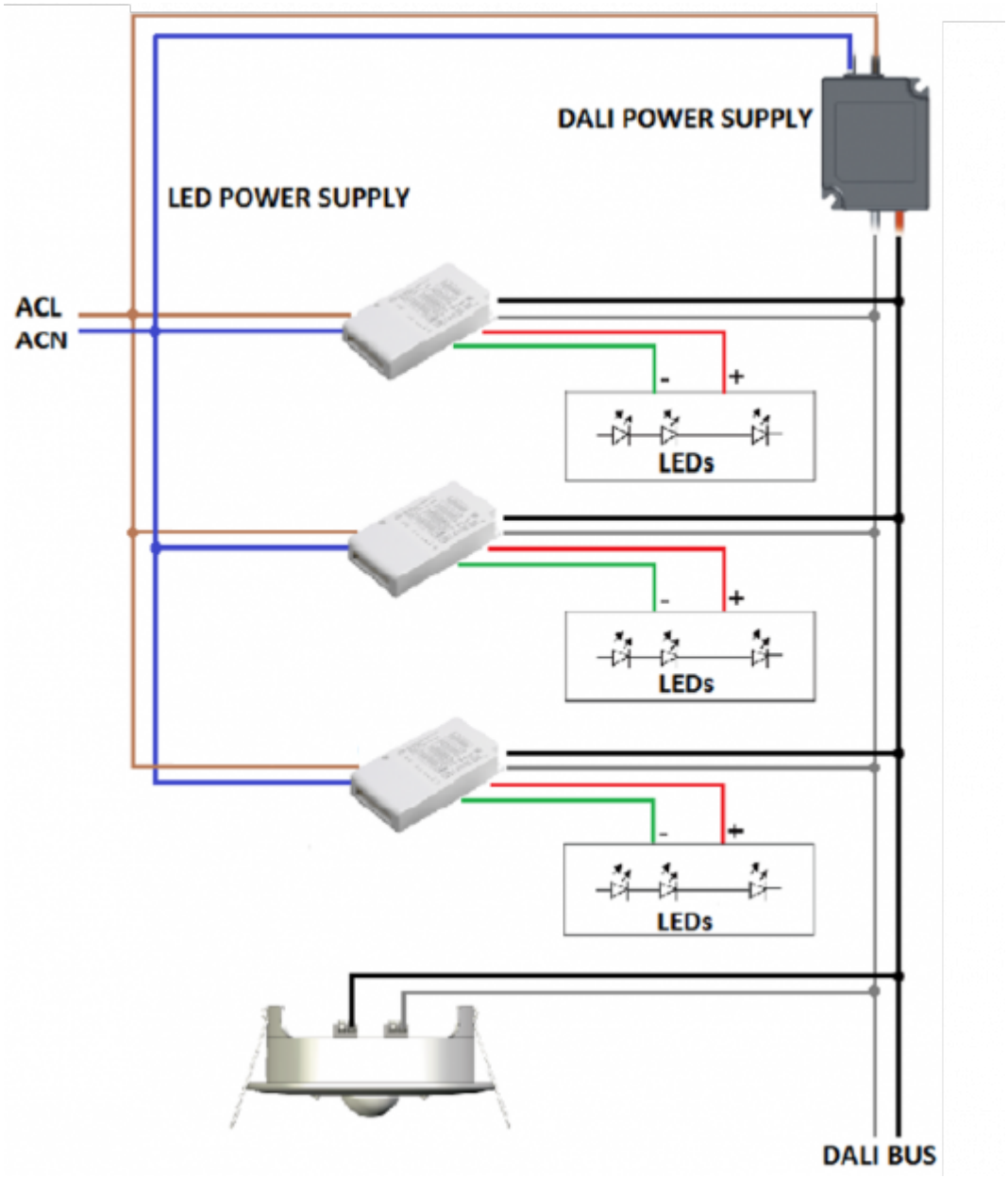
Technical specifications

Current draw	10 mA from DALI bus
Temperature	0°C ~ 50°C
Operating humidity	10%-80% RH Non-Condensing
Connecting Wires	0.5~1.5 mm², solid or stranded wire
Weight	58g

Dimensions


All Dimensions in Inches[mm]
Tolerance Inches:x.xxx=±0.02
Millimeters: x.xx=±0.5
Ø2.992[76.00]
Ø3.543[90.00]
3.098[78.70]
1.092[27.73]
0.259[6.57]
0.285[7.24]
PIR LED
Status LED

Installation

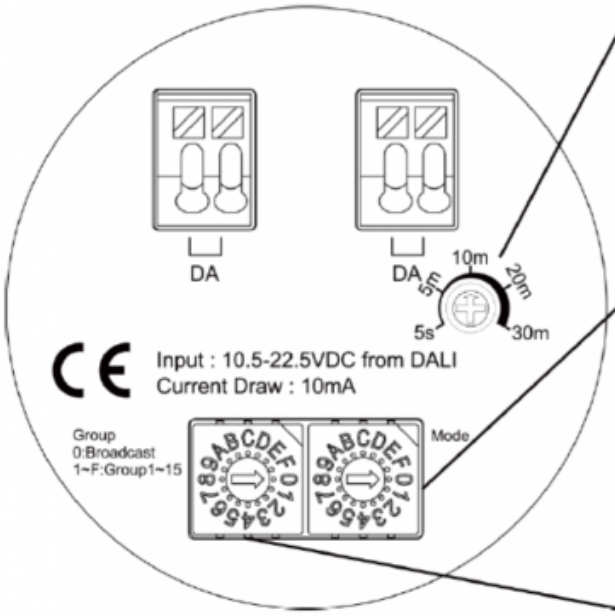


<WRAP column 325px>

Terminals

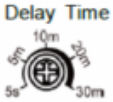
DALI	+
DALI	-

Settings



Time

Delay Time ..... 5secs~30mins



Mode Illuminance Sensor-Based

0	ON:100% → MIN: 1% → OFF	8	ON:100% → MIN: 1%
1	ON:100% → MIN: 5% → OFF	9	ON:100% → MIN: 5%
2	ON:100% → MIN:10% → OFF	A	ON:100% → MIN:10%
3	ON:100% → MIN:20% → OFF	B	ON:100% → MIN:20%
4	ON: 70% → MIN: 1% → OFF	C	ON: 70% → MIN: 1%
5	ON: 70% → MIN: 5% → OFF	D	ON: 70% → MIN: 5%
6	ON: 70% → MIN:10% → OFF	E	ON: 70% → MIN:10%
7	ON: 70% → MIN:20% → OFF	F	ON: 70% → MIN:20%

Group

0: Broadcast, 1~F: Group1~15

Note:

1. Group 1 represents the Group 0 in the DALI standard.
2. A sensor under Broadcast Mode should not be on the same DALI bus with a sensor under Group Mode.

0	1	2	3	4	5	6	7
Broadcast	Group1	Group2	Group3	Group4	Group5	Group6	Group7
8	9	A	B	C	D	E	F
Group8	Group9	Group10	Group11	Group12	Group13	Group14	Group15

Note: Group 1 represents the Group 0 in the DALI standard

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