B.E.G.
Controls

Project name:		Type
Catalog number:		
Location:		
Date:		
Comments:		

CONNECT-S-HCL-SM

ORDERING INFORMATION

Product Code	Description	Color	Part Number
CONNECT-S-HCL-SM	CONNECT HCL Secondary Occupancy Sensor, Surface Mount, DALI (requires primary sensor 97216)	White	97147
Accessories			
BSK Ball basket guard	Protective wire guard/basket for CIRCLE/CONNECT	White	92199

TOP FEATURES

- PIR motion sensor that extends the PIR detection coverage area of the required CONNECT HCL primary sensor
- Connects to and powered by the DALI bus of the primary sensor
- Works as a DALI broadcast or group sensor
- Simple set-up. Plug and play with the factory settings!
- Self-test upon power up
- Protective wire guard/basket cover available

DESCRIPTION

The CONNECT HCL with B.E.G. PureColor technology is a true innovation in stand-alone room lighting control for health and wellness! It delivers superior 360-degree motion detection coverage, excellent range, and feature-rich control options, all in a compact package not much larger than a standard occupancy sensor. No panel or plenum enclosure to add to wiring costs! Passive Infrared (PIR) motion detection, photosensor, application-appropriate automated white color tuning synchronized to the daily human Circadian rhythm cycle via a real-time clock, and switch inputs for manual dimming provides an all-in-one Human Centric Lighting room control solution suited to satisfy energy codes and stakeholders.

The CONNECT HCL secondary sensor is added to the primary sensor to extend the PIR motion detection coverage area, and can also enable proper placement of the photosensor in the primary sensor. Masking blinds are included to limit the PIR detection coverage pattern in certain applications to prevent false triggers and interference.

OPERATION

The CONNECT HCL secondary sensor detects motion only. The secondary sensor communicates with the primary sensor via the DALI bus and sends a trigger pulse to the primary sensor when motion is detected. The secondary sensors can be set via dip switches to belong to one of the DALI groups for group control, or DALI broadcast to extend the overall system coverage area.

Please refer to the instruction manual for a detailed description of the available functions and operation.

APPLICATIONS

- **Indoor applications:**

  Private and Open Offices

  Conference Rooms

  School/University Classrooms

  Hospital Patient Rooms and Healthcare Spaces

  Senior Care and Living Spaces

PRODUCT INFORMATION

- Designed for indoor use in dry locations only

- Requires primary sensor, CONNECT-P-HCL-SM part number 97216. Up to 4 secondary sensors can be connected to a primary sensor

- Low voltage Passive Infrared motion sensor powered by the primary sensor DALI bus

- Uses open source IEC 62386 Version 2 standard DALI2 (Digital Addressable Lighting Interface) protocol to control lighting. Requires LED tunable white color changing fixtures with DALI2 compliant Device Type 8 (DT8) drivers.

- DALI "broadcast" functionality with the factory settings or can be set to belong to a group for DALI group control

- Self-test upon power up

- LED indicators for operation feedback and troubleshooting

- Masking blinds included to limit degree of motion detection coverage.

- Protective wire guard/basket cover available

- ROHS and REACH compliant

- 5 years limited warranty

TECHNICAL DETAILS

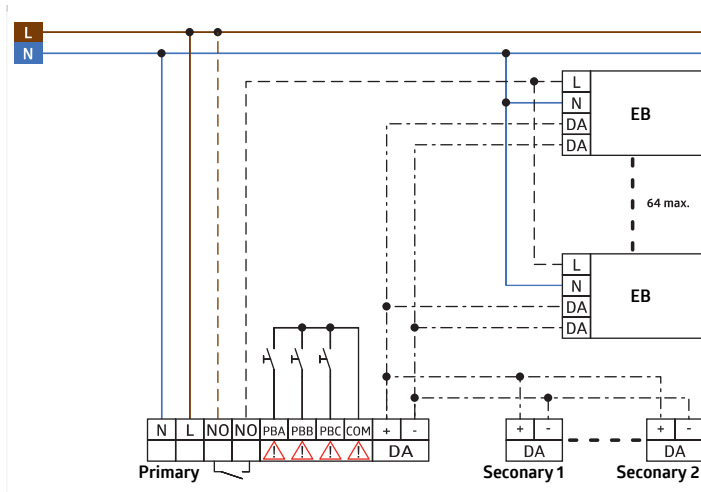|	
Operating Voltage:	typ. 16 VDC, DALI Bus
Detection area:	360°
Detection range:	Ø 78 ft/24 m across Ø 26 ft/8 m towards Ø 20 ft/6.4 m seated
Monitored area (tangential movement):	4844 sqft @ 8.2 ft Mounting height/ 450 m² @ 2.5 m Mounting height
Mounting height min./max./recommended:	6.6 ft / 32.8 ft / 8.2 ft / 2 m / 10 m / 2.5 m

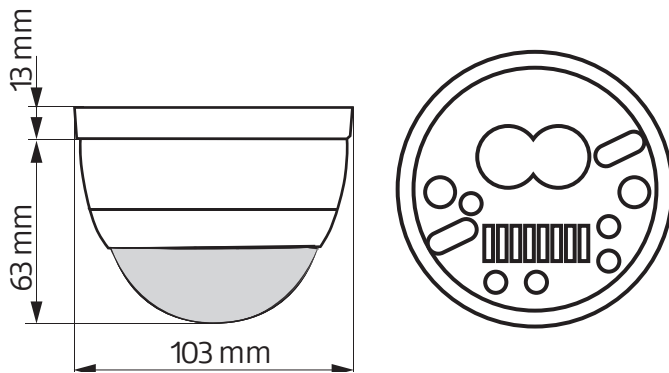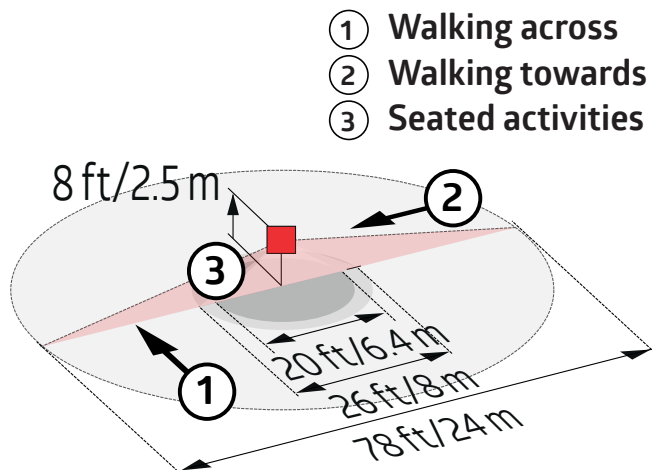|	
Operating temperature:	-13 °F to 122 °F/ -25 °C to +50 °C
Maximum number of Secondary sensors:	up to 4 secondary devices in combination with one CONNECT-P-HCL
Pulse interval:	30 sec (in test mode 2 sec during 3 min)
Compliances:	ETL listed for the U.S. and Canada (UL STD 60730-1 and CSA STD E60730-1). UL 2043 plenum rated.

WIRING DIAGRAM

DIMENSIONS DRAWING

MOTION DETECTION RANGE DIAGRAM

① **Walking across**
② **Walking towards**
③ **Seated activities**

8 ft/2.5 m

20 ft/6.4 m
26 ft/8 m
78 ft/24 m