

WIRELESS DALI CONTROLLER

HON-LCD-0C0-B

The Honeywell's DALI Controller is a wireless-controlled unit for DALI-based lights that controls light functions based on the input from the Honeywell Occupancy sensor. When occupied, the light intensity is adjusted and the overall lux level is maintained at a pre-configured level. When unoccupied, lights are turned off automatically.

The DALI Controller is controlled wirelessly and sends data to the Honeywell Gateway followed by the server for analytics. The DALI controller can be accessed for manual operation through an easy-to-use web-app from the server.

The Wireless DALI Controller is designed to work as a part of Honeywell's Lighting Management Solution.

The DALI Controller can also receive lux level information from Honeywell's Ambient sensor via a Zigbee connection. The compact design of the controller ensures that it can be mounted to a true ceiling or placed on a false ceiling. The DALI has an in-built antenna for easy integration and can control up to 64 lights.



Figure 1: Wireless DALI Controller

FEATURES

- Wirelessly controllable with a smart device using external gateway
- Inputs: ACL, ACN
- DALI bus output : 16V, 250mA
- Controls up to 64 lights
- Uses built-in flash memory to store device settings
- Ensures quick and easy mount
- In-built 2.4Ghz chip antenna
- 2-year limited warranty

COMPATIBLE DEVICES

- Works with Honeywell Wireless Occupancy Sensor and Ambient Sensor
- Works a part of Honeywell Lighting Management System

WIRING DETAILS

- By default, the DALI wiring is configured as Mains voltage. With this configuration, the module can be connected with DALI and may be run within the same sheathing
- It is strongly recommended to use no greater than a 2V drop between the DALI Controller and the end of the DALI Bus
- Do not connect the mains output directly to the Driver
- System communication uses low-voltage wiring with extra safety

DALI COMPLIANT BUS WIRE LENGTH

WIRE GAUGE	MAXIMUM DALI-COMPLIANT BUS WIRE LENGTH
1.5 mm ²	300 m
0.75 mm ²	150 m
0.50 mm ²	100 m

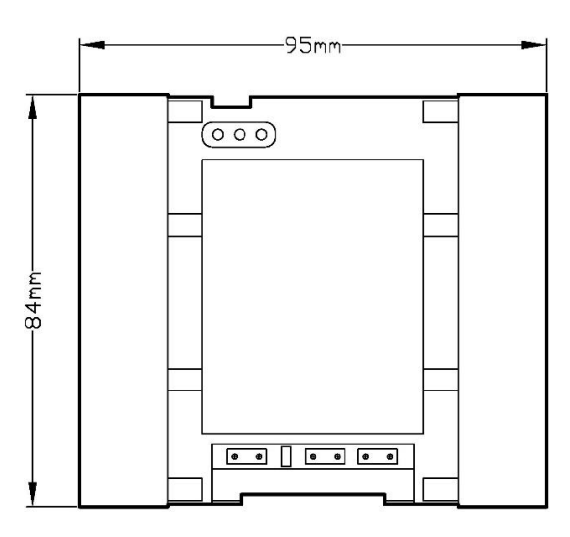


Figure 2 Top View of DALI Controller

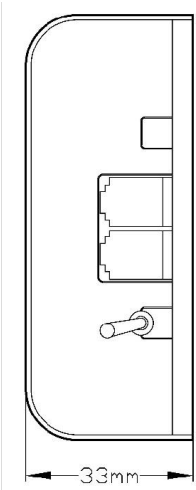


Figure 3 Side View of DALI controller

TECHNICAL SPECIFICATIONS

WIRELESS OPERATING PARAMETERS

Operating Frequency	ISM 2.4-2.4835 GHz
Protocol Supported	Zigbee IEEE 802.15.4 (Communication Protocol)
Transmit Power Output	4dBm
RF Data Rate	250Kbps Max
Receiver Sensitivity	-17 dBm

POWER/PERFORMANCE - AC POWERED DEVICE

MAINS INPUT	
Voltage Range	230v
Frequency	50Hz
Max. Mains Current	265v
MAINS OUTPUT	
Output Relay	
Suggested max. RMS Power	
Inrush Current	
MAINS OUTPUT	
Bus Voltage	12v-16v
Operating Current	250mA

PACKAGING INFORMATION

Product Dimensions	Height: 33 mm, Length:95 mm, Width: 84 mm
Weight	250 Grams
Housing Material	ABS Plastic
Rating	IP 20
Warranty	2 Years Limited Warranty

ENVIRONMENTAL PARAMETERS

Ambient Temperature	25°C
Max. Case Temperature	45°C
Storage Temperature	0°C to 45°C
Operating Temperature	0°C to 45° C

CERTIFICATIONS

CE Certified

For more information,
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