

# Fixture Mounted Dali Controller with Occupancy/Vacancy/Daylight Sensor

Model: C-DFS-DA-DF00



## Specifications

- Power Supply: DALI Bus
- Max Dali. Current Draw: 6mA
- Control Protocol: DALI
- Operating Temperature: 32°F to 104°F (0°C to 40°C, indoor use only)
- Sensor Type: PIR Occupancy Sensor
- Max Detection Range: 16ft (5m)
- Lux Detection Range: 0-1000 Lux
- Detection angle: 130°
- Dimensions: 1.3" x 1.4" (32mm x 36mm)

## Description

The Fixture Mounted DALI Controller with Occupancy/Vacancy/Daylight Sensor is a cutting-edge device that combines DALI-2 compliance with advanced motion and light sensing. This device is designed to work seamlessly with DALI LED drivers or luminaires, enabling smart, automated lighting solutions that enhance energy efficiency and occupant comfort in a variety of settings.

## Operation

Configurable through any DALI-2 compliant control unit, this controller operates on the DALI bus, allowing for easy and fast setup. It supports autonomous sensor-based control, making it an ideal solution for spaces requiring reliable, automated lighting adjustments based on occupancy and ambient light levels.

## Certifications

- Incorporates a PIR motion sensor and a light sensor for DALI-2 systems, offering precise motion detection and ambient light measurement.
- Utilizes BubblyNet wireless technology for seamless integration into DALI networks, enhancing control and automation.
- Enables energy savings and occupant comfort by adapting lighting based on occupancy and daylight, complying with demanding energy codes.

## Certifications



## Installation

Installation is straightforward, with the controller it is directly integrated into the fixture with 1/2" knockout. Upon powering up, the device is ready to join the BubblyNet Mesh network via the BubblyNet App. It integrates into the DALI network, providing immediate functionality with minimal setup.

## Applications

Perfect for applications in open offices, individual offices, conference rooms, classrooms, retail stores, hospitals, and lobbies, where advanced lighting control is needed to ensure energy efficiency and comfort.

## Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

Outdoor (line of sight): 200ft

Indoor (through building material):

Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

For design purposes a 60ft. maximum distance is appropriate for most installations.