DALI Dimming/Scene Controller

1.76 (44.7mm) 1.76 (44.7mm) 1.56 (39.6mm) 1.30 (33.0mm) 0.15 (3.8mm)

4.41 (112.0mm) 3.81 (96.8mm) 3.28 (83.3mm) 2.69 (68.3mm)

ON   OFF
ON   OFF
ON   OFF
ON   OFF

Scene 1   Scene 2
Scene 3   Scene 4
Scene 5   Scene 6
Scene 7   OFF

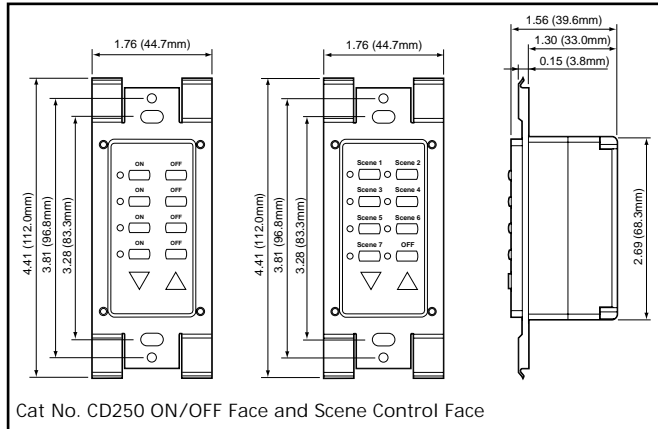**Cat No. CD250 ON/OFF Face and Scene Control Face**

CD250 DALI Dimming/Scene Controller

APPLICATION

The Leviton CD250 Wall Mounted Controller is designed to control fluorescent ballasts supporting the Digital Addressable Lighting Interface (DALI specification). The CD250 Controller is ideal for small offices, conference rooms and large building control applications. For maximum versatility, two individual snap-on control faces are provided with each CD250 to allow either ON/OFF Control or Scene Control. For added control capability, there is also a choice of operating modes.

ON/OFF CONTROL FACE

Individual Mode - Provides ON/OFF and DIM/BRIGHT control for up to 4 individual addressed ballasts. For this function, the ballasts must be programmed to have consecutive "Short" addresses. The controller program mode is used to program the starting base address for any address from 0 to 63.

Group Mode - Provides ON/OFF and DIM/BRIGHT control for up to 4 groups of the ballasts. In controller program mode, group numbers are sequential from a base group number selected in the range of 0 to 15.

SCENE CONTROL FACE

Individual Mode - The Scene controller calls up to 8 preset scenes in a range from 0 to 7 for the ballasts with selected short addresses.

Group Mode - The Scene controller calls up to 8 scenes for the selected group. The 8 scenes can be set from 0 to 7, or from 8 to 15.

There is also a special selection to call up to 8 Scenes for ALL devices on the DALI bus. The scene range can be selected from the range 0-7 or 8-15.

FEATURES & BENEFITS

• Multiple controllers can easily be added to the DALI network to support multiple entry ways

• Affordable controller designed for single office applications or large projects

• Snap-on control faces allow one device to offer a choice ON/OFF or SCENE control, with a choice of individual or group mode operation

• Up and down control buttons allow precise tuning of selected levels

• Makes it easy to program and control intelligent lighting fixtures using ballasts that support the DALI protocol

• Can be used to program a small DALI system without additional programming tools

• Decora designer styling enhances any décor.

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
JOB NUMBER:		

LEVITON®
LIGHTING CONTROL DIVISION
Building a Connected World
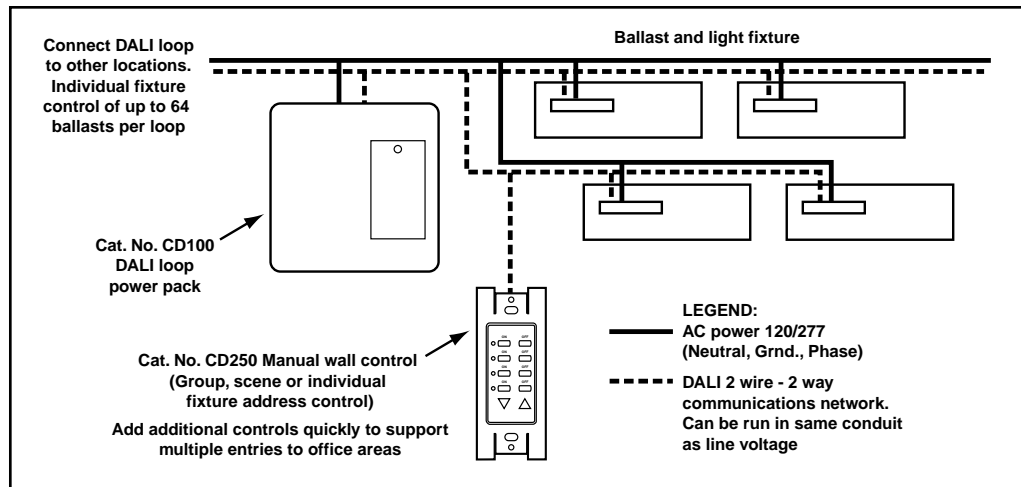
Product Specifications

ON/OFF CONTROL

Individual Mode

• Controls up to 4 separate DALI-compatible ballasts (individually addressed)
• Offers ON/OFF and DIM/BRIGHT control for each of the ballasts
• LED indicates status of ballast

Group Mode

• Controls up to 4 programmed groups of DALI compatible ballasts
• Offer ON/OFF and DIM/BRIGHT control for each group of ballasts
• LED indicates status of ballast

Connect DALI loop to other locations. Individual fixture control of up to 64 ballasts per loop

Ballast and light fixture

Cat. No. CD100 DALI loop power pack

Cat. No. CD250 Manual wall control (Group, scene or individual fixture address control)

Add additional controls quickly to support multiple entries to office areas

LEGEND:
AC power 120/277 (Neutral, Grnd., Phase)

DALI 2 wire - 2 way communications network. Can be run in same conduit as line voltage

SCENE CONTROL

Individual Mode

• Sends address level commands for selection of up to 8 distinct presets (scenes)
• LED indicates selected preset

Group Mode

• Sends group level commands for selection of up to 8 distinct scene levels
• LED indicates selected scene

SPECIFICATIONS

Electrical

Input Voltage: 9.5V-22.5V
Input Current: 10mA
Power Consumption: less than 1W
Testing/Code Compliance: UL Listed, CSA Certified, and FCC Part 15
Suitable for Class 1 or Class 2 wiring installation

Physical

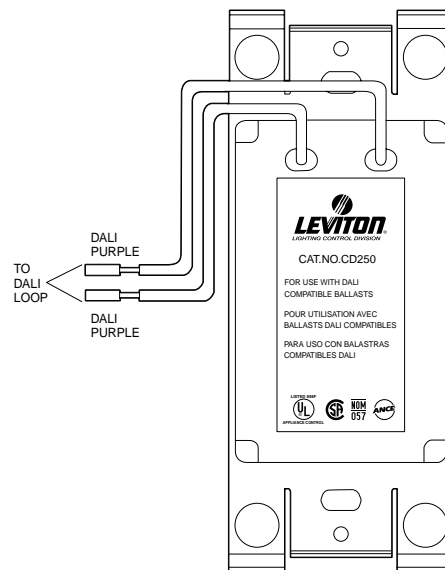Size: 4.41 x 1.76 x 1.56in. (112.0 x 44.7 x 39.6mm)
Color: White

Environmental

Operating Temperature Range: 0°C to +55°C
Storage Temperature Range: -10°C to +70°C
Relative Humidity: 20% to 90% non-condensing

Warranty: Limited 2-Year Warranty

INSTALLATION

DALI Loop

• Can be Class 1 or Class 2
• Polarity-independent control wiring
• Flexible 2-wire DALI loop control wiring-Daisy chain, point to point, star or mix method.

Mode and Address Settings

• Addresses the ballasts and binds them to buttons on the controller

TO DALI LOOP

DALI PURPLE

DALI PURPLE

LEVITON
LIGHTING CONTROL DIVISION

CAT.NO.CD250

FOR USE WITH DALI COMPATIBLE BALLASTS

POUR UTILISATION AVEC BALLASTS DALI COMPATIBLES

PARA USO CON BALASTRAS COMPATIBLES DALI

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