



The Aspen

Bridging powerful functionality with refined, intuitive design. Precision rotary encoder dial with infinite-rotation dimming, LED intensity arc, and Cat5e connectivity.

SKU	CATEGORY	CONNECTIVITY	REVISION
CYN-DIM-R1	Rotary Dimmer	Cat5e / RJ-45	Rev 1.2 — Sep 2026

The Aspen

ROTARY DIMMING CONTROL

The centerpiece of Canyon Controls — a precision rotary encoder dial that delivers infinite-rotation dimming and on/off control for up to two lighting zones. The cross-hatched knob provides superior tactile grip, while the LED intensity arc gives real-time visual feedback of the current dim level. Connects via a single Cat5e cable to the Olympus Room Controller with plug-and-play zone assignment via the integrated rear DIP switch. A self-contained, encapsulated rotary dimmer with its own housing.

CONTROL TYPE	Rotary Encoder (infinite rotation) + Momentary Press On/Off
ZONES	Up to 2
CONNECTION	RJ45 Cat5e T568B
PROTOCOL	CAN Bus
INPUT POWER	12 VDC Class 2 (SELV) via Cat5e
CONSUMPTION	< 1W
INDICATOR	LED Intensity Arc
ZONE SELECTOR	Integrated (rear DIP)
MOUNTING	Standard single-gang box
FACEPLATE	Standard single-gang faceplate



Available Finishes

PREMIUM MATERIALS



WHITE



BRUSHED ALUMINUM



BRUSHED BRASS



ANODIZED ALUMINUM



Precision Knob Detail

The cross-hatched knob provides superior grip while the LED arc indicators give real-time dimming feedback. The infinite-rotation encoder means no end stops — smooth, continuous control from 0–100%. Press the knob to toggle on/off.

1

Connect

Run a single Cat5e cable from the Olympus Room Controller to the Aspen.

2

Select Zone

Use the rear DIP switch to assign the dial to your target zone.

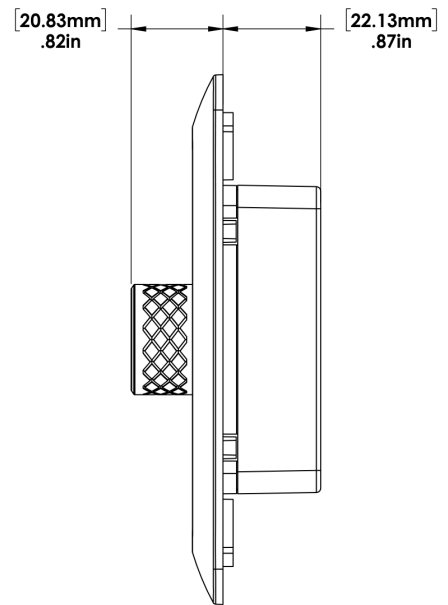
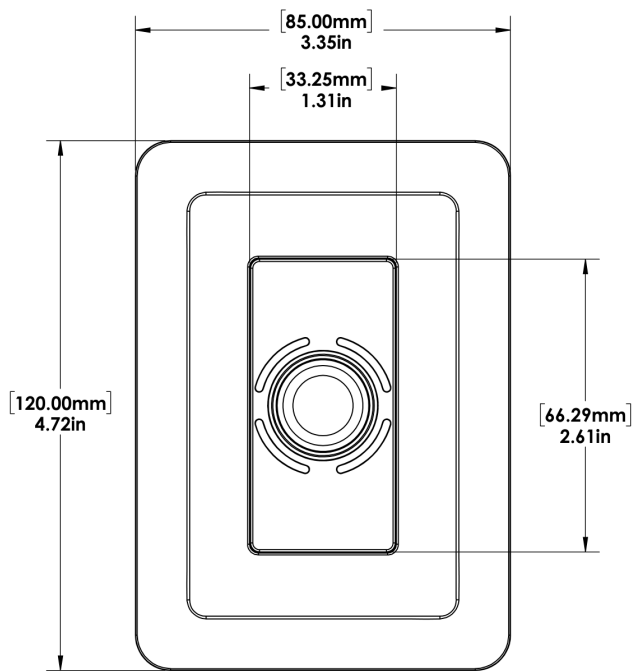
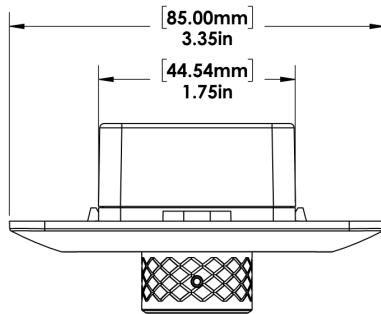
3

Control

Rotate to dim, press to toggle on/off. LED indicators show intensity level.

Mechanical Drawings

PRODUCT DIMENSIONS — OT-DIALDIMMER-ASSEMBLY · SHEET 2 OF 3



DIMENSIONS IN MM [IN] · MATERIAL: ABS · THIRD-ANGLE PROJECTION

Specifications

ELECTRICAL & ENVIRONMENTAL

PARAMETER	VALUE
Input Voltage	Class 2 low voltage (via Cat5e from Olympus Room Controller)
Power Consumption	< 1W
Control Type	Rotary Encoder (infinite rotation) + Momentary Press
Zones	Up to 2
Connection	RJ45 Cat5e T568B
Protocol	CAN Bus
Network Topology	Daisy chain or home-run to Olympus Room Controller
LED Indicator	Intensity arc — real-time dim level feedback
Zone Selector	Integrated rear DIP switch
Mounting	Standard single-gang box (depth ≥ 2.5")
Operating Temp	32°F to 131°F (0°C to 55°C)
Storage Temp	-15°F to 160°F (-26°C to 71°C)
Humidity	0–90% non-condensing
Dimensions	4.72" × 3.35" (120 × 85 mm) faceplate; 0.87" (22.1 mm) rear depth — see Mechanical Drawings
Finishes	White, Brushed Aluminum, Brushed Brass, Anodized Aluminum
Faceplate	Integral faceplate (encapsulated; not interchangeable with other products)

ENERGY CODE COMPLIANCE

- ASHRAE 90.1
- IECC
- TITLE 24 PART 6
- MULTI-LEVEL DIMMING
- DAYLIGHT HARVESTING

LISTINGS & WARRANTY

ETL Listing (Intertek)	Certification in progress — to ANSI/UL 916
cETLus (Canada)	Certification in progress — CSA C22.2 No. 205
FCC Part 15 Class B	Testing not yet completed
RoHS Compliant	Yes
Warranty	5-Year Limited

DISCLAIMER

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