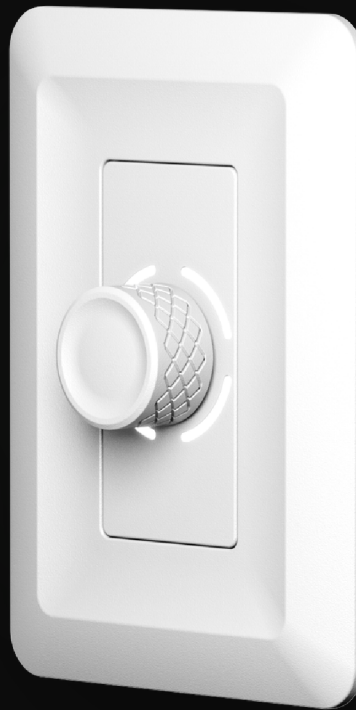




The Aspen

Bridging powerful functionality with refined, intuitive design. Precision rotary encoder dial with infinite-rotation dimming, LED indicator ring, 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 indicator ring 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 Indicator Ring
ZONE SELECTOR	Integrated (rear DIP)
MOUNTING	Standard single-gang box
FACEPLATE	Standard single-gang faceplate



Available Finishes

PREMIUM MATERIALS



WHITE



BLACK



BRUSHED
ALUMINUM



BRUSHED BRASS



ANODIZED
ALUMINUM

WHITE AND BLACK ARE STANDARD. BRUSHED ALUMINUM, BRUSHED BRASS AND ANODIZED ALUMINUM ARE AVAILABLE ON REQUEST.



Precision Knob Detail

The cross-hatched knob provides superior grip while the LED indicator ring gives 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.

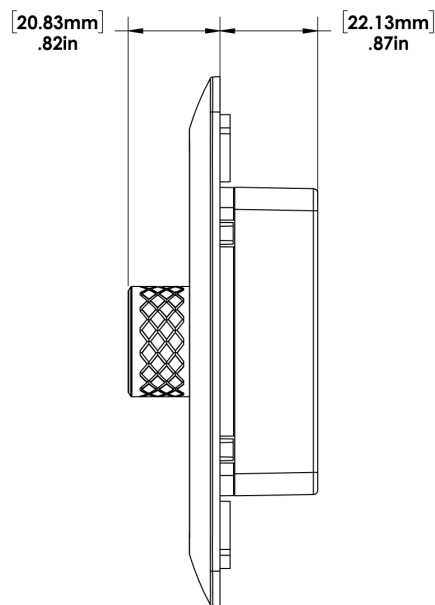
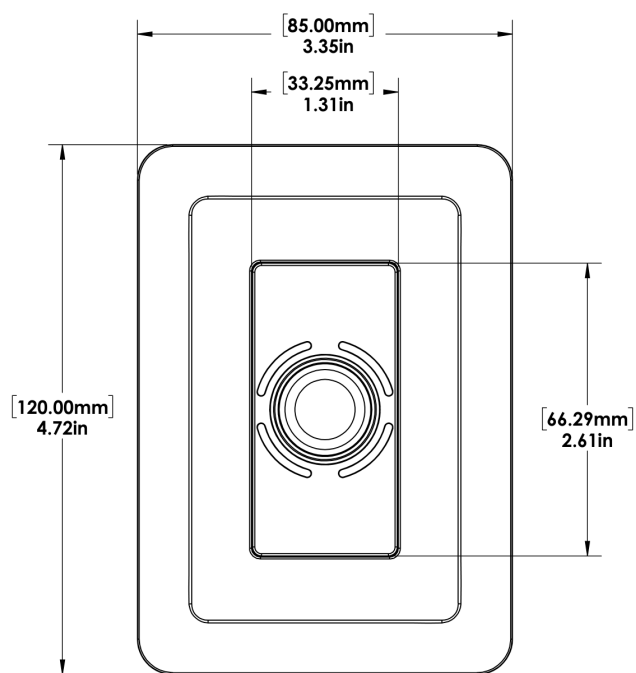
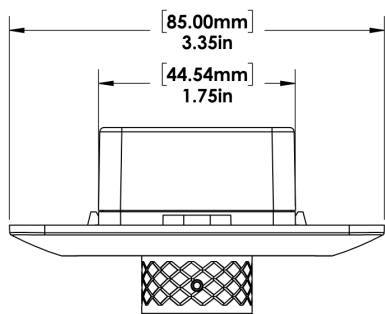
3

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	Indicator ring — 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 and Black standard; Brushed Aluminum, Brushed Brass, Anodized Aluminum on request
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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