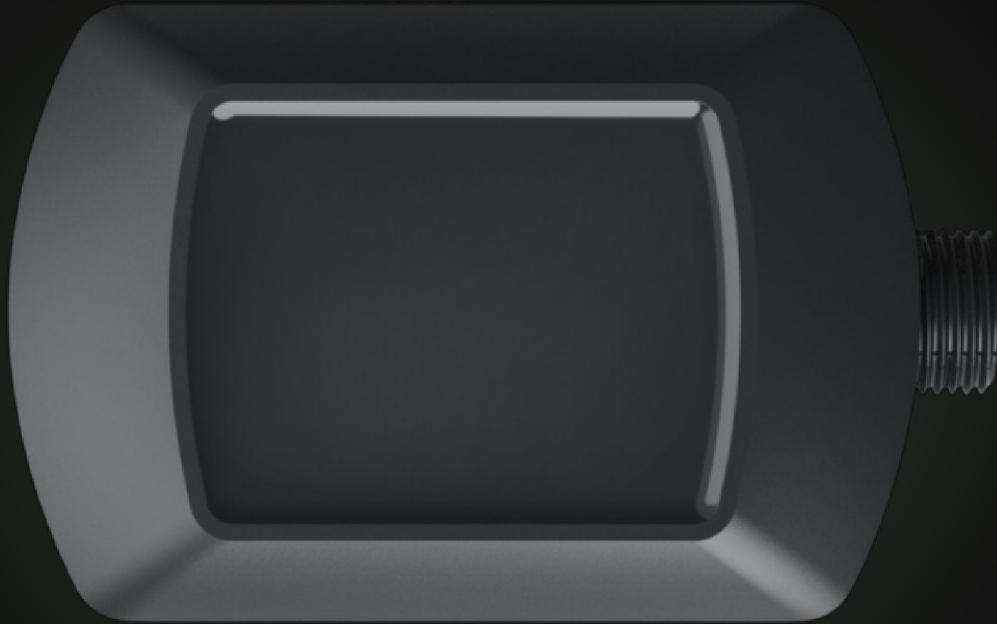




The Olympus

Intelligent 2-zone lighting control with 0-10V dimming, dual 16A relays, wired USB commissioning, and plug-and-play CAN Bus connectivity. The brain behind every Canyon-powered space.

SKU	CATEGORY	VOLTAGE	REVISION
CYN-PP-2	Room Controller	120V	Rev 1.2 — Sep 2026

Room Controller

2-ZONE DIMMING & RELAY CONTROL

The Canyon Olympus is the intelligent hub that powers every Canyon lighting system. Delivering two independently controlled 0-10V dimming zones with millivolt-level precision for granular dimming and warm-dim support, plus two 16A relays rated at 120V. Dual CAN Bus ports with integrated bus power for downstream devices — sensors, switches, and dials — with automatic zone assignment via selector dials for out-of-the-box functionality. Wired USB (CDC) commissioning enables advanced programming via the Canyon app.

DIMMING ZONES	2 × 0-10V (millivolt-level control)
RELAYS	2 × 16A, 120V
INPUT POWER	120V AC
CAN BUS PORTS	2 × RJ45 (daisy chain or home-run)
BUS POWER OUTPUT	12 VDC Class 2 (SELV), 0.83 A / 10 W — powers downstream sensors & switches
WIRELESS	None — no radio populated
BATTERY	None — BT1 holder unpopulated on this revision
AUTO-PROGRAM	Via zone selector DIP switches on devices
MOUNTING	Junction box / above accessible ceiling (non-plenum)



Features

INTELLIGENT CONTROL, SIMPLIFIED



Millivolt 0-10V Dimming

Two independent 0-10V dimming zones with millivolt-level precision. Enables granular dimming curves and warm-dim tuning for high-end architectural lighting applications.



Dual 16A Relays

Two heavy-duty 16A relays rated at 120V provide reliable switching for high-wattage lighting circuits. Independent relay control per zone.



Plug-and-Play Setup

Automatic programming via zone selector DIP switches on downstream devices gives basic functionality out of the box — control 1, 2, or both zones with a simple switch. No software required for initial setup.



USB Programming

Wired USB (CDC) commissioning enables advanced configuration via the Canyon app. Combine multiple Room Controllers, set schedules, create scenes, and fine-tune dimming curves. No wireless radio is populated on this device.



Daylight Harvesting

When paired with a Canyon Sierra sensor, automatically adjusts artificial lighting based on ambient daylight levels to maximize energy savings and maintain target light levels.



Local Scheduling

Scheduled on/off and dimming events run locally in the Olympus. There is no battery-backed real-time clock, so time-of-day must be reconfirmed via the app after a power interruption.

Connectivity

PORTS & OUTPUTS

CAN BUS PORTS (×2)

Connector	RJ45 Cat5e T568B
Protocol	CAN Bus
Topology	Daisy chain or home-run
Devices	Sensors, switches, dials

POWER & OUTPUT

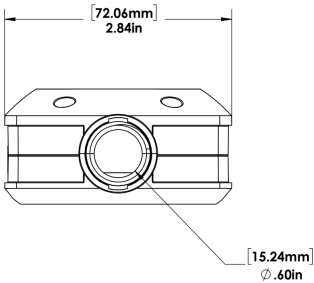
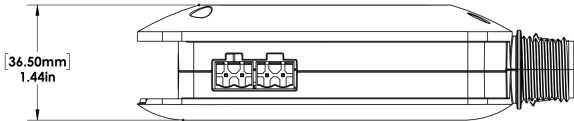
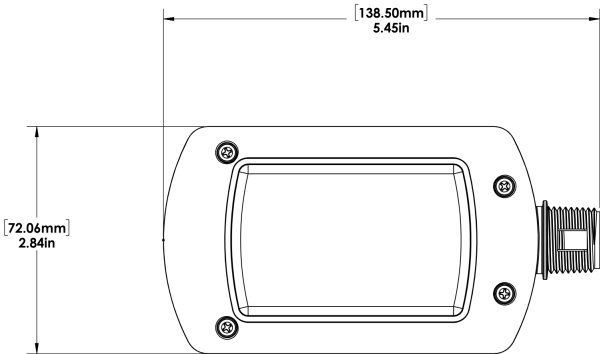
Input	120V AC
Bus Power	Powers downstream devices
0-10V Out	2 zones, millivolt precision
Relay Out	2 × 16A, 120V

USB & EXPANSION

USB	App commissioning (CDC)
Multi-Unit	CAN Bus
Battery	None — BT1 holder unpopulated on this revision
Auto-Config	Zone selector DIP switches

Mechanical Drawings

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



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

Specifications

ELECTRICAL

PARAMETER	SPECIFICATION
Input Voltage	120V AC, 60 Hz
Relay Rating	2 × 16A, 120V AC (resistive)
Dimming Output	2 × 0-10V DC (millivolt-level precision)
Dimming Range	0–100% (supports warm-dim tuning)
CAN Bus Ports	2 × RJ45 Cat5e (T568B)
CAN Bus Protocol	CAN 2.0B, 250 kbps
Bus Power Output	Class 2 low-voltage regulated output — powers downstream devices
Wireless	None — no radio populated; wired USB (CDC) for app configuration
Processor	STM32F ARM Cortex-M (STMicroelectronics)
Power Supply	Internal Class 2 supply — 12 VDC, 0.83 A, 10 W output; input 120 VAC, 60 Hz
Battery	Coin-cell holder present on the PCB, unpopulated on R1 — no cell fitted, no timeclock/RTC function
Power Consumption	< 3W typical (controller only, excl. relay loads)

MECHANICAL & ENVIRONMENTAL

Mounting	Standard junction box, or above an accessible ceiling (non-plenum)
Conduit Entry	1/2" threaded conduit connector
Dimensions	5.45" × 2.84" × 1.44" (138.5 × 72.1 × 36.5 mm) — see Mechanical Drawings
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Storage Temperature	-15 °F to 160 °F (-26 °C to 71 °C)
Relative Humidity	0–90% non-condensing
Enclosure	UL 94 flame-rated thermoplastic
Finish	Black

PROGRAMMING & CONTROL

Auto-Programming	Zone selector DIP switches on downstream devices — basic control out of box
App Programming	Canyon app via wired USB — scenes, schedules, dimming curves
Multi-Controller	Combine via CAN Bus for larger spaces
Daylight Harvesting	Supported when paired with Canyon Sierra sensor
Timeclock	Scheduled events run locally; no battery-backed RTC
Occupancy/Vacancy	Supported via Canyon Sierra sensor

ENERGY CODE COMPLIANCE

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

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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