

The RF CCO Module is a low-voltage radio frequency (RF) control that provides a single dry contact closure output based on input from RadioRA_® 2 and HomeWorks_® QS systems. It can be powered by 24 V~ or 24 V=== for easy connection and integration into building management, HVAC, VAV, and other 3rd-party systems.

- Single contact closure output including both normally open (NO) and normally closed (NC) dry contacts
- Maintained or momentary output type
- Operates at 24 V \sim or 24 V ==
- Utilizes Lutron_® Clear Connect_® RF Technology refer to model number chart below for frequency band data, and Lutron_® system compatibility
- Screw tabs provided for surface mounting (recommended); or mounts to an electrical junction box through a 1/2 in or 21 mm trade size knockout opening
- Complies with requirements for use in a compartment handling environmental air (plenum) per NEC_® 2011 300.22(C)(3) (LMJ- model only)



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Model Number	Region	Operating Voltage	Frequency Band	Compatible Systems	
LMJ-CCO1-24-B	U.S.A., Canada, Mexico	24 V~ or 24 V===	431.0 – 437.0 MHz	RadioRA _® 2, HomeWorks _® QS	
LMK-CCO1-24-B	Europe, U.A.E.	24 V~ or 24 V===	868.125 – 868.850 MHz		

NOTE: Contact Lutron for frequency band compatibility for your geographic region if it is not indicated above.

Specification

Model Number	LMJ-CCO1-24-B, LMK-CCO1-24-B
Power	IEC PELV/NEC _® Class 2 Operating voltage: 24 V~ / 24 V=== Operating current, nominal: 45 mA (24 V~), 35 mA (24 V===)
Typical Power Consumption	< 1.0 W Typical power test conditions: all loads off, CCO LED on
Regulatory Approvals	UL _☉ , UL 2043 Plenum Rated, FCC Approved. Complies with the limits for a Class B device, pursuant to Part 15 of FCC rules, IC, (LMJ- model only), CE, TRA, CITC (LMK- model)
Environment	Ambient operating temperature: 32 °F to 131 °F (0 °C to 55 °C) Ambient operating humidity: 0% to 90% humidity, non-condensing. Indoor use only.
Communications	Operates using Clear Connect _® RF Technology for reliable wireless communication; refer to model number chart on Page 1 for frequency band details. RF range is 30 ft (9 m) from repeaters. Contact Lutron for applications using foil-backed or metallic ceiling tiles.
Contact Closure Output	Accepts input voltages of 0 to 24 V~ / 0 to 24 V== Resistive Load: 1.0 A (0 to 24 V==), 0.5 A (0 to 24 V~) Provides both normally open (NO) and normally closed (NC) dry contacts. Maintained or momentary output type. Output is latching. Minimum Close Time: 500 ms.
Mounting	Screw tabs provided for surface mounting (recommended); or mounts to a electrical junction box through a 1/2 in or 21 mm trade size knockout opening.
Low Voltage CCO Wiring	CCO terminals accept 20 to 16 AWG (0.5 to 1.5 mm ²) solid or stranded wire.
Warranty	www.lutron.com/TechnicalDocumentLibrary/Warranty.pdf www.lutron.com/TechnicalDocumentLibrary/Intl_Warranty.pdf



Dimensions

Dimensions are shown as: in (mm)



Wiring Diagram (Recommended)



NOTE: The CCO output may be wired using either the NO or NC terminal.



Wiring Diagram (Junction Box Optional)



loads)

CCO

Output

NO

°NC

COM

24 V=-

max.



Communications

Wired and RF Configuration (RadioRA_® 2 and HomeWorks_® QS)



* In HomeWorks, QS systems, use Hybrid Repeaters for range extension. In RadioRA, 2, the repeater shown may be either a main repeater (1 required) or auxiliary repeater (up to 4 permitted).