

RC1

The sensor debugging remote control is a high-efficiency configuration tool specifically designed for the Creatrol series sensors. It communicates with devices via infrared signals, effectively solving the pain point of difficult parameter adjustment due to spatial constraints after sensor installation. With its rich support for functional codes, this tool enables non-destructive debugging of 5.8G, 24GHz, and 60GHz mmWave radars and ToF sensors. Without disassembling the device, users can utilize the full numeric keypad (0-9) to precisely configure complex logic, including delay time, illuminance thresholds, detection sensitivity, and multi-segment detection distances. Additionally, it supports system-level operations such as one-click network pairing, one-click setting of the sensor breathing light, and quick settings for delay and lighting. Working in tandem with the sensor's indicator light (breathing, flashing, and steady states), it provides intuitive real-time feedback to ensure efficient and accurate site engineering setup.



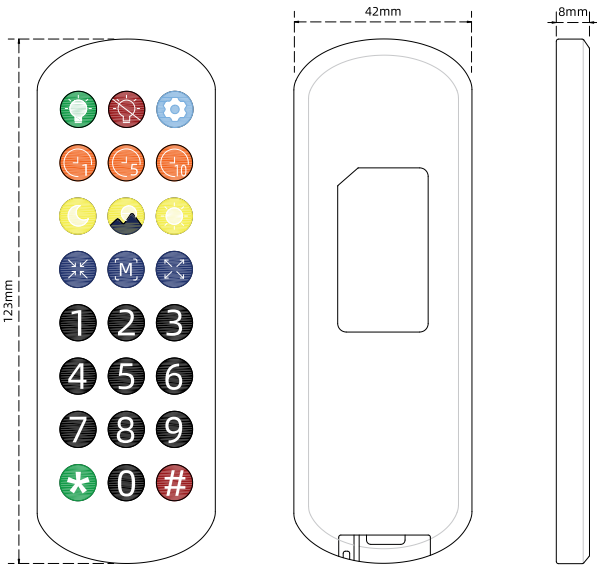
Features

- Communicates with devices via infrared signals, effectively solving the pain point of adjusting parameters via physical dial switches or wired connections in space-constrained installations.
- The debugging process requires no sensor disassembly or high-climbing, enabling the completion of complex logic configurations directly from the ground.
- Supports one-click network pairing and quick settings for common delay and illuminance thresholds, significantly improving the efficiency of on-site engineering.
- Exclusively designed for the full range of Creatrol sensors, a single tool covers various frequencies and protocols.
- Supports reverse querying of current settings via function codes; values are read by counting the number of indicator flashes (e.g., 5 flashes represent the number 5), ensuring the accuracy of on-site verification.
- Enables efficient configuration and parameter querying across multiple devices.

Specifications

Power supply mode	CR2025 or CR2032 Lithium Coin Battery (3 V)
Communication Method	Infrared
Emission Wavelength	940 nm
Carrier Frequency	38 kHz
Effective Distance	≤ 10 m
Dimensions	123 mm * 42 mm * 8 mm
Thickness	8 mm
Weight	20g (excluding batteries)
Color	White
Material	ABS
Flammability Rating	UL94 V-0

Dimensions



Precautions & Maintenance

1. Aim at the sensor's IR window within a 5-10m range; ensure a clear line-of-sight.
2. Observe correct polarity; remove during long-term storage to prevent corrosion.
3. Wipe the IR transmitter and buttons with 75% alcohol; avoid corrosive solvents like bleach.
4. Avoid drops, heavy pressure, and extreme heat or humidity.
5. Most universal or set-top box remotes can serve as compatible replacements.