



Operator's Manual: RC-100 Remote for Sharkward MSANT12VPH01

Overview

The RC-100 remote is a handheld infrared programmer designed to wirelessly configure Sharkward PIR sensor model MSANT12VPH01. It allows installers to set detection sensitivity, brightness levels, hold time, daylight thresholds, and dimming behaviors for occupancy-based lighting control.

RC-100 Remote Layout

Use the diagram below to locate programming buttons on the RC-100 remote:



Basic Terminology

Setting	Function
Detection Range (Sensitivity)	Adjusts how far and how sensitive the motion detection is
Hold Time	How long the light stays at 100% brightness after the last motion is detected
Standby Level	Brightness level after hold time expires if no motion is detected
Standby Time	Duration the fixture remains in dimmed mode before turning off completely
Daylight Sensor	Prevents light from turning on if ambient light exceeds set lux level

Mode Buttons	Control sensor (Auto), override ON/OFF, reset, test mode, etc.
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Programming Instructions

1. Power on the fixture. Ensure the Sharkward sensor is energized and ready to receive IR commands.
2. Point the RC-100 at the sensor lens. Stand within 10–15 feet and keep a direct line of sight.
3. Enter Programming Mode:
 - Press DISP to display current settings.
 - Use the arrow buttons to highlight the desired parameter.
4. Adjust Settings:
 - For Hold Time, select from: 5s, 30s, 1min, 5min, 10min, 15min, 20min, 30min.
 - For Standby Level, choose: 0%, 10%, 20%, 30%, 50%.
 - For Standby Time, choose: 0s, 1min, 10min, 30min, 60min, ∞ (infinite).
 - For Daylight Sensor, choose the desired lux level (e.g., 10lx, 30lx, 50lx, Disable).
5. Confirm & Upload:
 - Press OK to confirm your setting.
 - Press SEND to upload to the sensor. The fixture will blink to confirm receipt.

To Disable the Daylight Sensor (Photocell Function)

- Use the DAYLIGHT SENSOR setting.
- Choose the "Disable" option, or set the threshold lux value to its maximum (e.g., 2000 lx).
- Confirm with OK and upload using SEND.

Recommended Settings for Outdoor Area Light

Setting	Value
Detection Range	100%
Hold Time	5 minutes
Standby Level	30%
Standby Time	∞ (infinite)
Daylight Sensor	Disable

Reset to Factory Defaults

- Press the RESET button on the RC-100.
- Confirm with OK.
- Upload to sensor using SEND.

Notes & Troubleshooting

- Always aim directly at the sensor lens for best communication.
- Settings will not take effect unless you press SEND.
- Sensor will flash or blink to confirm setting changes.