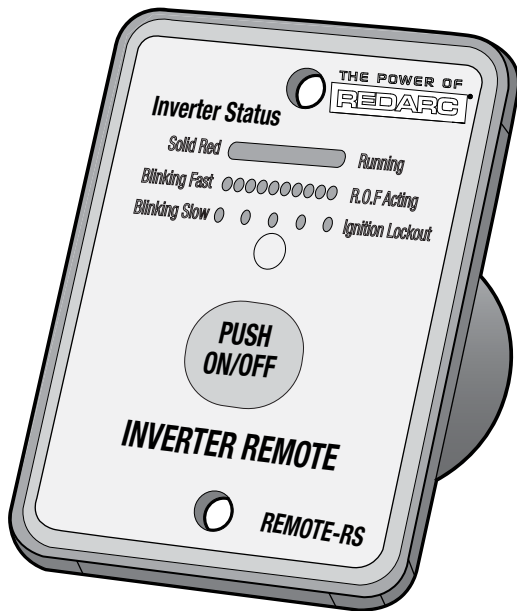


THE POWER OF  
**REDARC**®

# Inverters Remote



**REMOTE-RS**

# 1 REMOTE-RS FOR RS SERIES INVERTERS

The REMOTE-RS has been designed to work with REDARC RS Series Inverters. It allows remote ON/OFF switching of the inverter and provides visual indication of the Ignition Lockout and Return Override Functions.

## 1.1 Specifications

Compatible Models	REDARC RS Series Inverters
Operating Temperature Range	0°C to 40°C (32°F to 104°F)
Storage Temperature Range	-30°C to 70°C (-22°F to 158°F)
Stand-By Current Draw	<40mA
Supplied Cable	RJ-11 twisted connection, 8 m (26.25 ft)
Regulatory Compliance	FCC Part 15B, CAN ICES-003 (B)/NMB-003(B), RCM



## 1.2 Dimensions

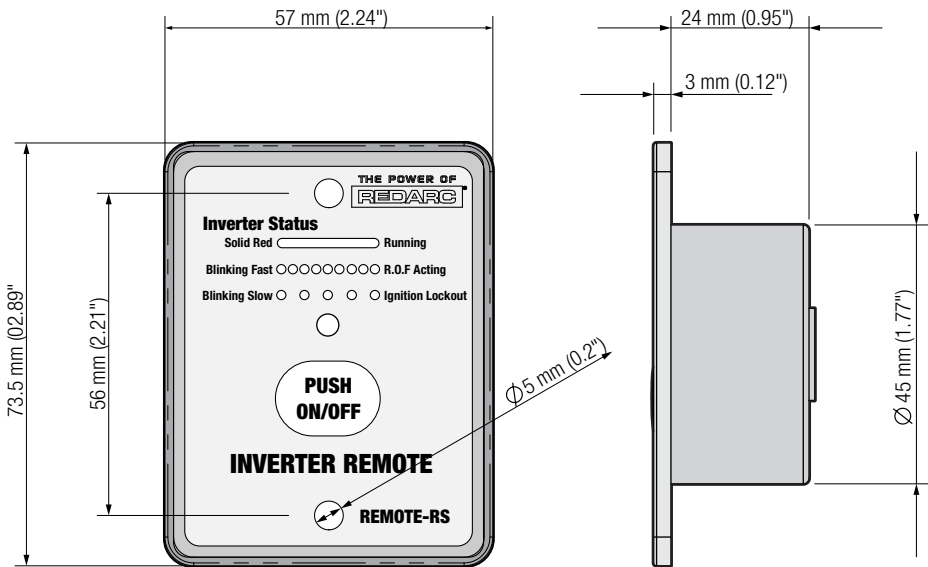


FIGURE 1.2.2: REMOTE-RS Dimensions

The REMOTE-RS is supplied with an 8 m (26.25 ft) RJ-11 connection cable. The cable is 'twisted connection' type.

### ⚠ CAUTION

**RISK OF DAMAGE TO INVERTER OR REMOTE. DO NOT USE A STANDARD TELEPHONE CABLE. USE A RJ-11 'TWISTED CONNECTION' TYPE CABLE.**

### 2.1 LED Indication

The REMOTE-RS features a LED to display the inverter's status:

- A steady light indicates that the inverter is ON.
- A fast flashing light indicates that the inverter is in Return Override Function (R.O.F) mode (Section 2.2.1).
- A slow flashing light indicates that the inverter is in Ignition Lockout mode (Section 2.2.2).

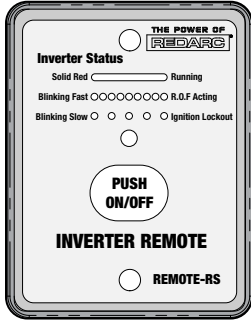


FIGURE 2.1.1: Front Panel

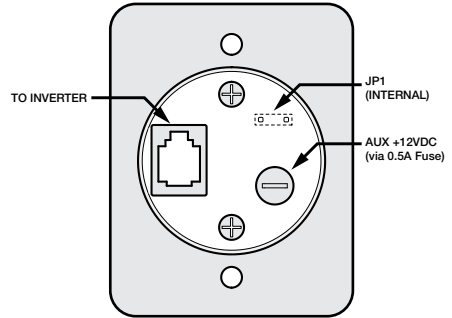


FIGURE 2.1.2: Rear Panel Connections

### 2.2 Internal Jumper Pin (JP1)

The JP1 jumper pin is used to select the optional 'Return Override' or 'Ignition lockout' functions and can be accessed by removing the screws at the rear of the remote. Both functions also require a +12VDC supply connected to the 'AUX' connector via a 0.5A fuse. The jumper pin selects between two functions as described below;

#### 2.2.1 Return Override Function

If the Jumper pin is Open (not connecting the pins) the 'Return Override' function is selected. The Return Override function is used to turn the inverter ON when the auxiliary input wiring is connected and has +12 V applied (for example, to turn the inverter ON when the vehicle's ignition is ON). This is the default position.

#### 2.2.2 Ignition Lockout Function

If the Jumper pin is Shorted (connecting the pins) the 'Ignition Lockout' function is selected. The Ignition Lockout function is used to turn the inverter OFF when the auxiliary input wire is connected and has +12 V applied (for example, to turn the inverter OFF when the vehicle's ignition is ON).

### 2.3 Installation

Refer to Figure 1.2.2: for screw hole and cutout dimensions.

- Use the supplied cable to connect the REMOTE-RS to the inverter.
- Switch the inverter to the 'REMO' position to enable functionality of the remote.

## 3 COMPLIANCE

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This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference that may cause undesired operation

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

## 4 WARRANTY

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### Limited Warranty

For full warranty terms and conditions, visit the Warranty page of the REDARC website. Refer to the web address and contact details applicable to your region.

#### North America

[www.redarcelectronics.com/warranty](http://www.redarcelectronics.com/warranty)

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