



samlexpower

**Remote
Control**

**Model:
SSW-R1-12**

**Owner's
Manual**

Please read this
manual before
operating the
units

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Description

The SSW-R1-12 is a wired Remote Control used with selected models of SSW Series of Inverters to switch on and switch off the Inverter from a remote location. It also displays operational parameters using LCD display.

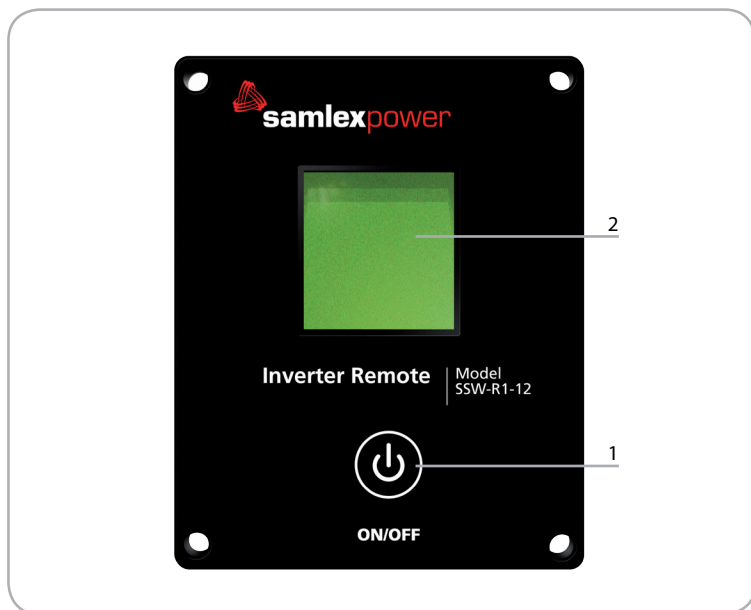
Applicable Models of SSW Inverters

The SSW-R1-12 Remote Control is designed to work with the following models of the SSW Series:

- SSW-1000-12A
- SSW-1500-12A
- SSW-2000-12A

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LAYOUT



1. On / Off Push Button. Used to switch on and switch off the Inverter.



NOTE: For switching on and switching off the Inverter using this Remote Control, the Main On / Off Switch on the Inverter should be in the Off position.

If the On / Off Switch on the Inverter is left in On position, the Inverter cannot be switched off using this Remote Control. The Remote Control will, however, continue to display the status of operation.

2. LCD display
3. (Not shown. Located at the back of the Remote). 8P8C (8 Position, 8 Conductor) Modular Connector Receptacle (also known as RJ-45 Receptacle) used for connecting the Remote Control to the Inverter.
- 4.

3 DISPLAY

A Green back lit LCD display is used to display the following operational parameters and fault conditions:



- **“INPUT VOLTAGE”**: Displays the input voltage in Volts (using 3 digits – 2 full and 1 decimal) that is seen at the DC input terminals. Please note that this voltage will be lower than the voltage at the battery terminals by the amount of voltage drop in the DC side input wires.
- **“OUTPUT POWER”**: Displays the output power in Watts that is drawn by the AC side loads. The value is displayed using 4 full digits – the least count is 10 W when displaying power below 100 W and 100 W when displaying power above 100 W
- **“INPUT FAULT”**: This message will be displayed when the inverter shuts down due to the following (Please read the inverter manual for causes and remedies):

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DISPLAY

- DC input voltage at the terminals of the inverter is 10.5 VDC or lower
- DC input voltage at the inverter terminals is 15.3 VDC or higher
- Over temperature
- **“OUTPUT FAULT”**: This message will be displayed when the inverter shuts down due to the following (Please read the inverter manual for causes and remedies):
 - Over load or short circuit on the AC output side



NOTE: The AC output power of the inverter is fed through a dual NEMA5-20 outlet with GFCI protection. A GFCI has a relay operated mechanical switch that mechanically switches off the output side of the GFCI from its input side in case of a ground fault. Please note that when a GFCI trips, AC power is still available on its input side. Use the “Reset” button on the GFCI to reset the mechanical switch to the ON position after removing the cause of the ground fault (Please read the inverter manual for causes and remedies). When the output side of the GFCI outlet trips due to ground fault on the load side, the inverter will still be operating normally and AC power will still be available on the input side of the GFCI (but not on the output side of the GFCI). Thus, “OUTPUT FAULT” message will not be displayed in this case

- **“ZZZ SLEEP MODE”**: This message is displayed if the power drawn on the AC side below 100-120 W. During this condition, the cooling fan on the inverter is off resulting in lower drain from the batteries

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OPERATION



NOTE: 3 meters length of Cat 5, Networking Cable with 8P8C (8 Position, 8 Conductor) Modular Plugs (RJ-45) on the two ends is provided for connecting the Remote Control to the Inverter.

The Remote Control is provided with 3 meter length of Cat 5 Networking Cable with 8P8C (8 Position, 8 Conductor) Modular Plugs (RJ-45) on either ends . Plug one end of the cable to the receptacle on the Remote Control.

Locate the 8P8C (8 Position, 8 Conductor) Modular Receptacle (RJ-45) on the inverter and securely insert the other end of the plug on the Remote Control cable.

For switching on and switching off the Inverter using this Remote Control, the Main On / Off Switch on the Inverter should be in the Off condition.



CAUTION! If the On / Off Switch on the Inverter is left in On position, the Inverter cannot be switched off using this Remote Control. The Remote Control will, however, continue to display the status of operation.

Please see under “**Layout and Operation of Controls and LED Indications**” for display information.

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SPECIFICATIONS

MODEL NO.	SSW-R1-12
APPLICABLE MODELS OF INVERTERS	SSW-1000-12A SSW-1500-12A SSW-2000-12A
RECEPTACLE FOR CONNECTING CABLE	8P8C (8 Position, 8 Conductor) Modular Receptacle (RJ-45)
CONNECTING CABLE TYPE	8 Conductor, Cat 5 Networking Cable
CONNECTING CABLE, LENGTH	3 meters
CONNECTING CABLE, CONNECTORS	8P8C (8 Position, 8 Conductor) Modular Plugs (RJ-45) on both ends
DIMENSIONS (WITHOUT CABLE),MM (L x W x H)	102 x 82 x 35
DIMENSIONS (WITHOUT CABLE), IN (L x W x H)	4.0 x 3.2 x 1.4
WEIGHT (WITHOUT CABLE), KG	0.056
WEIGHT (WITHOUT CABLE), LB	0.12

NOTE: Specifications are subject to change without notice.

2 YEAR Limited Warranty

The SSW-R1-12 Remote Control manufactured by Samlex America, Inc. (the “Warrantor”) is warranted to be free from defects in workmanship and materials under normal use and service. This warranty is in effect for 2 years from the date of purchase by the user (the “Purchaser”). For a warranty claim, the Purchaser should contact the place of purchase to obtain a Return Authorization Number.

The defective part or unit should be returned at the Purchaser’s expense to the authorized location. A written statement describing the nature of the defect, the date of purchase, the place of purchase, and the Purchaser’s name, address and telephone number should also be included.

If upon the Warrantor’s examination, the defect proves to be the result of defective material or workmanship, the equipment will be repaired or replaced at the Warrantor’s option without charge, and returned to the Purchaser at the Warrantor’s expense.

No refund of the purchase price will be granted to the Purchaser, unless the Warrantor is unable to remedy the defect after having a reasonable number of opportunities to do so. Warranty service shall be performed only by the Warrantor. Any attempt to remedy the defect by anyone other than the Warrantor shall render this warranty void.

There shall be no warranty for defects or damages caused by faulty installation or hook-up, abuse or misuse of the equipment including exposure to excessive heat, salt or fresh water spray, or water immersion.

No other express warranty is hereby given and there are no warranties which extend beyond those described herein. This warranty is expressly in lieu of any other expressed or implied warranties, including any implied warranty of merchantability, fitness for the ordinary purposes for which such goods are used, or fitness for a particular purpose, or any other obligations on the part of the Warrantor or its employees and representatives.

There shall be no responsibility or liability whatsoever on the part of the Warrantor or its employees and representatives for injury to any persons, or damage to person or persons, or damage to property, or loss of income or profit, or any other consequential or resulting damage which may be claimed to have been incurred through the use or sale of the equipment, including any possible failure of malfunction of the equipment, or part thereof.

The Warrantor assumes no liability for incidental or consequential damages of any kind.

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