



# SEC SSR303 Z-Wave controlled Boiler Actuator 3A



Firmware Version : 1.0

## Quick Start

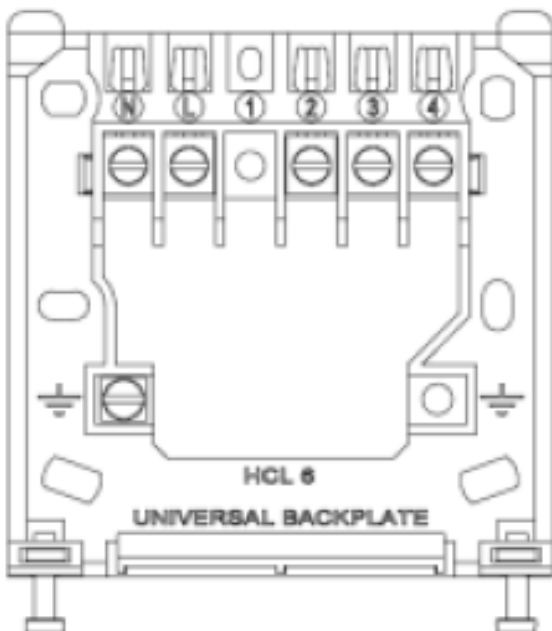
**A** This is a wireless Actor. To confirm inclusion and exclusion push and hold the network button until the 'ON' LED starts flashing.

Please refer to the chapters below for detailed information about all aspects of the products usage.

## Product description

The SSR303 is a wirelessly controlled Relay switch to operate loads up to 3 A / 230 V. It is used to control warm water boilers or magnet valves. The device can be operated locally using two buttons. A LED indicated the current switching status. The fashionable design of the device allows mounting it on visible positions in the home.

## Installation Guidelines



The SSR303 receiver should be located as near as is practical to the device to be controlled, as well as a convenient mains electricity supply. To remove the wall plate from the SSR303, undo the two retaining screws located on the underside, the wall plate should now be easily removed. Once the wall plate has been removed from the packaging please ensure the SSR303 is re-sealed to prevent damage from dust, debris etc.

The wall plate should be fitted with the retaining screws located at the bottom and in a position which allows a total clearance of at least 50mm around the SSR303 receiver.

### Direct Wall Mounting

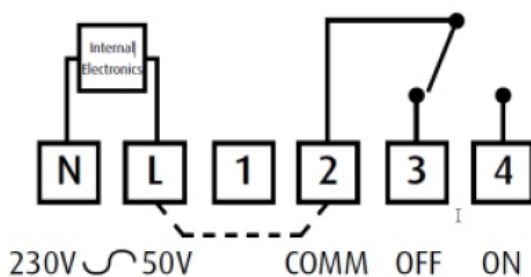
Offer the plate to the wall in the position where the SSR303 is to be mounted and mark the fixing positions through the slots in the wall plate. Drill and plug the wall, then secure the plate into position. The slots in the wall plate will compensate for any misalignment of the fixings.

### Wall Box Mounting

The wall plate may be fitted directly on to a single gang flush wiring box complying with BS4662, using two M3.5 screws. The receiver is suitable for mounting on a flat surface only; it is not suitable for mounting on an unearthed metal surface.

### Electrical Connections

All necessary electrical connections should now be made. Flush wiring can enter from the rear through the aperture in the backplate. The mains supply terminals are intended to be connected to the supply by means of fixed wiring. The receiver is mains powered and requires a 3 Amp fused spur. The recommended cable size is 1.0mm<sup>2</sup>. The receiver is double insulated and does not require an earth connection, an earth connection block is provided on the backplate for terminating any cable earth conductors. Earth continuity must be maintained and all bare earth conductors must be sleeved. Ensure that no conductors are left protruding outside the central space enclosed by the backplate.



## Behavior within the Z-Wave network

**I** On factory default the device does not belong to any Z-Wave network. The device needs to join an existing wireless network to communicate with the devices of this network. This process is called **Inclusion**. Devices can also leave a network. This process is called **Exclusion**. Both processes are initiated by the primary controller of the Z-Wave network. This controller will be turned into exclusion respective inclusion mode. Please refer to your primary controllers manual on how to turn your controller into inclusion or exclusion mode. Only if the primary controller is in inclusion or exclusion mode, this device can join or leave the network. Leaving the network - i.e. being excluded - sets the device back to factory default.

If the device already belongs to a network, follow the exclusion process before including it in your network. Otherwise inclusion of this device will fail. If the controller being included was a primary controller, it has to be reset first.

To confirm inclusion and exclusion push and hold the network button until the 'ON' LED starts flashing.

## Operating the device

The SSR303 receiver unit receives the Z-Wave radio signals from the 3rd party Z-wave controllers. In the unlikely event of a communication failure it is possible to override the system and switch On and Off using the On/Off buttons on the SSR303 receiver as a local override.

If the override is used to override the system when it is functioning correctly then the override will be cancelled by the next switching operation and normal operation will be resumed. In any case, with no further intervention, normal operation will be restored within one hour of the override being operated.

## Technical Data

Explorer Frame Support	No
SDK	5.02 pl3
Device Type	Slave with routing capabilities
Generic Device Class	Thermostat
Specific Device Class	Specific Device Class not used
Routing	Yes
FLiRS	No
Firmware Version	1.0