

Any device with the signs of damage and/or missing parts should NOT be installed and should be returned to the seller.

Please refer to 'Installation Guidance Notes' supplied before commencing with the installation.

**Devices are designed to be mounted internally only.**

## 1 RFRP-20 - Signal Repeater



The units described in these instructions are for use in a Standard UK Plug Socket, they also feature a Standard UK Plug Socket on the front side of the product.

In the case of the RFRP-20, the front socket is provided as an additional socket for convenience. The socket must remain switched on at all times in order for the repeater to remain operational.

Supply Voltage:	230V~
Frequency:	868MHz
Minimum control distance:	20mm
Range uninterrupted:	200M
Ingress protection:	IP20
Dimensions:	60 x 120 x 80mm
Applicable standards:	EN607 30-1 ED.2

## 2 Signal Range

The Signal Repeater will extend the range between transmitters and receivers by up to 200M in free-air, and offer a solution in the event building materials restrict the original signal sent. See the installation guidance notes supplied with this device.

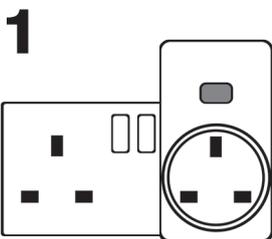
### Notes:

If more than one repeater is required for the same transmitter, the installer must ensure the signal going through the additional repeaters does not transmit to the same receiver. This may confuse the receiver and cause false activation. To resolve the issue, remove the pairings from additional repeaters, see section 3a below.

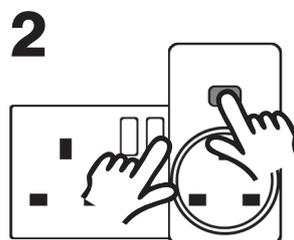
### WARNING!

Please read through these steps before attempting to use the unit.  
The instructions feature steps that must be carried out in quick succession.  
An awareness of the steps beforehand will make this process easier.

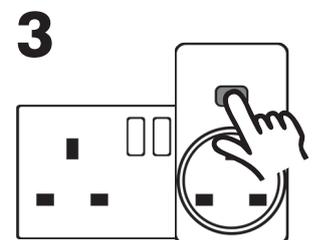
## 3a Programming / Learning Mode



Before you start; make sure all receivers in the vicinity are in their "off" state. Any receivers left on may interfere with the programming of the repeater.  
Plug in the unit with the socket power off.



While holding the "Status/Prog" button, switch on the socket. Continue holding the "Status/Prog" button until the red indicator light shows. Release the button. The indicator light will flash green.

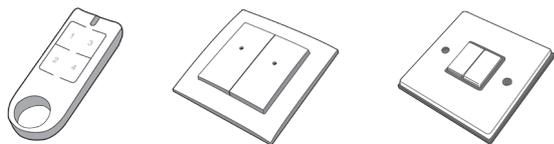


While the green light is flashing press the "Status/Prog" button again. The light should now flash red for 5 seconds then no light will appear. This indicates the unit is in "Learning Mode".

**To Remove Pairings:** (following on from step 3) If you press the "Status/Prog" button again, while the red light is flashing, it will clear any stored pairings. The red light will illuminate for 5 seconds then clear, once all lights are off, press the "Status/Prog" button again to confirm.

### 3b Programming / Learning Mode

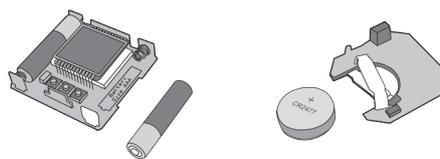
**4a** For pairing with basic switch transmitters as shown below.



Still while no indicator lights are illuminated on the repeater; use the control that is paired with the receivers you wish to assign to the repeater. Press a button/switch on the control to turn the receiver on. The repeater status light should flash green once to indicate the pairing has been made.

Move to step 6

**4b** For sensor devices as shown below including the PIR and window/door contacts



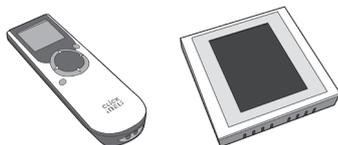
Still while no indicator lights are illuminated on the repeater; insert the battery/batteries into the product. The repeater status light should flash green to indicate the pairing has been made.

If pairing these devices to an RF touch or RF pilot see step 5a below.

Otherwise move to step 6

### 3c Programming / Learning Mode

**5a** For all bilateral control devices:



If using an RF Touch or an RF Pilot you must go through an offset procedure. You must enter the address of the receiver or temperature sensor into the RF Pilot or RF Touch but you must alter the address according to the table below:

If the address starts with:	Change that number to:
0	8
1	9
2	A
3	B
4	C
5	D
6	E
7	F

Examples:

An address of: 001C76 would change to: 801C76

An address of: 703E5 would change to: F03E5

**5b**

Once you have entered the address into the RF Touch or RF Pilot and while the repeater is still in learning mode (switched on but with no light showing) use the remote control (RF Touch or RF Pilot) to switch the receiver on or off.

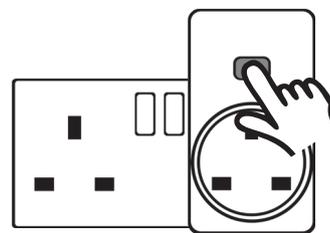
You will notice that the light on the repeater blinks green if the unit has been paired.

In the case of temperature sensors you will only pair to an RF Touch and you do not need to carry out this step.

The temperature sensors will periodically transmit a signal every 1-3 minutes, after that period you will notice the RF Touch will display the temperature feedback from the thermo-sensor device.

Move to step 6.

**6**



Once you have successfully paired the devices, press the "STATUS/PROG" button to switch to resume normal operation. The green indicator will be constantly illuminated.

You can link up to 20 devices per repeater. When you have reached the maximum number of devices the green indicator on the repeater will flash, then the red indicator will flash and then constantly green.