Installation of receiving devices should be carried out by a qualified electrician.

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

Before attempting installation, ensure all associated circuits and cables have been isolated at the source.

Please refer to 'installation guidance notes' supplied before commencing with the installation.

Devices are designed to be mounted internally only.

1   RFSA-66M - 8A x 6 Channel Switching Receiver - DIN Rail Mountable

AN-E
(supplied
separately)

6 x 8A switching receiver with 3 normally open contacts and 3 normally closed and/or normally open contacts.

Receivers can be mounted directly behind individual appliances, control circuits locally or within the consumer unit.

Install the antenna carefully in to the front termination, ensuring the centre connection is aligned prior to tightening the nut. DO NOT OVERTIGHTEN THE NUT.

We recommend the receiver is installed inside a non-metallic enclosure.

If mounted inside a metal enclosure or the signal is impaired, the AN-E external antenna with 3M of cable (supplied separately) can be fitted.

We recommend noting the hexadecimal code printed on each channel and the appliance it is controlling for potential future use.

Each channel can be controlled by up to 25 transmitting devices.

CS2 Memory: The product marked CS2 enables the receiver to remember the status (if engaged) in the event of a power cut. Once engaged and the current status has be running for longer than 15 seconds the current status will be stored. See 'Step 4' overleaf.

2   Signal Range

The RFSA-66M has a signal range in free air of up to 200 metres.

Once the signal penetrates building materials etc. the signal range will be reduced. See the installation guidance notes supplied with this device.

3   Load Type

! Warning Inductive and resistive loads MUST NOT be connected together through one channel

Type of load	$\cos \varphi \geq 0.95$ AC1	AC2	AC3	AC5a uncompensated	AC5a compensated	HAL.230V AC5b	AC6a	AC7b	AC12
Contact material AgSnO$_2$ contact 8A	250V / 8A	250V / 5A	250V / 4A	x	x	250W	250V / 4A	250V / 1A	250V / 1A

Type of load	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
Contact material AgSnO$_2$ contact 8A	x	250V / 4A	250V / 3A	30V / 8A	24V / 3A	30V / 2A	30V / 8A	30V / 2A	x

4   Wiring

Live
Neutral
Supply
230V~

NO   NO   NO

A1 A2   18 15 28 25 38 35

RFSA-66M

45 46 48 55 56 58 65 66 68
NC NO   NC NO   NC NO
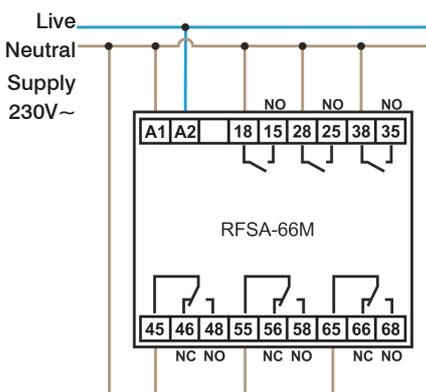
6 x 8A switching receiver
with 3 normally open contacts (top) and the
option of 3 normally closed and/or normally open
(bottom) contacts

Live
Neutral
Supply
230V~

INPUT
NO   NO   NO

A1 A2   18 15 28 25 38 35

RFSA-66M

45 46 48 55 56 58 65 66 68
NC NO   NC NO   NC NO
INPUT
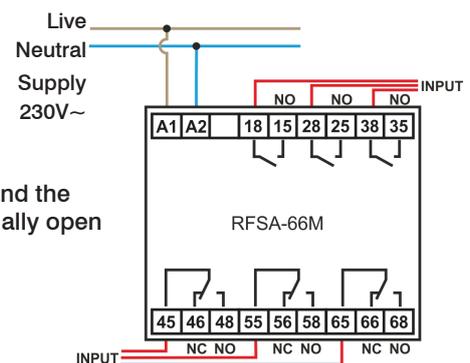
5 Functions (Switching Receivers)

| Function 1	Press Button	Press for ON, release for OFF
Function 2	'ON' Button	Press for ON
Function 3	'OFF' Button	Press for OFF
Function 4	ON/OFF Button	Press for ON, press again for OFF
Function 5	'OFF' Delay	Press for ON, device will turn off after predetermined time period as set in STEP 3 of programming (2 seconds to 60 mins)
Function 6	'ON' Delay	Press to start timer. 'ON' delay will be as predetermined in STEP 3 of programming (2 seconds to 60mins)

Functions 5 & 6 (timed elements) are programmed in real time. If you require 30 minutes you have to wait for the 30 minutes to complete the pairing. To help save time and remove potential frustration on 5+ minute timed elements, we always recommend conducting a few shorter timed elements (e.g. 10 seconds) to ensure both the correct function and the correct timed element are programmed.

5 Programming the actuator receivers to button transmitters

When installing with the RF Pilot or RF Touch, use the dedicated product manuals for programming.
Circuits 1 to 3 are along the top, left to right (normally open). Circuits 4 to 6 are along the bottom (normally open/normally closed)

STEP 1 - Programming Mode

Press & hold the 'programming' button on the receiver for 2 seconds *(the status LED will flash with a 1 second interval)*.

Programming Buttons

Status LED Will Flash Once Per Second

Press And Hold 2 Seconds
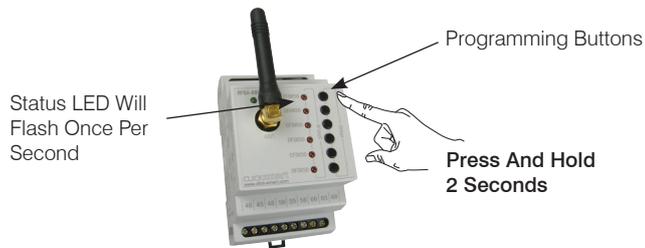
There are 6 programme buttons each with its own LED and hexadecimal address for identification of the circuit.

STEP 2 - Select Function

To assign the required transmitter button & function, press the required button the number of times to match the function number (e.g function 2, press the button 2 times). *Press the transmitter button at one second intervals* - See table of functions above.

Function Button

Press The Number Of Times That Corresponds To The Desired Function
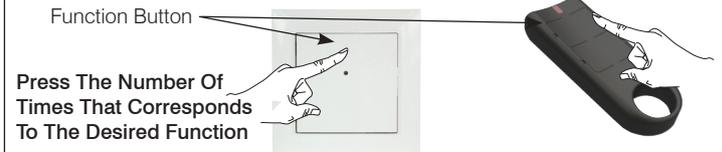
Each time the transmitter button is pressed the LED on the receiver will also flash to confirm the signal has been received.

STEP 3 - Only Required For Functions 5 & 6
For All Other Functions Go To STEP 4

To set the time element, whilst still in programming mode, press & hold the 'programming' button again for '5 seconds' (the status LED will flash twice a second). **THE TIMER HAS NOW STARTED**.

When the required time period has elapsed, to stop the timer press the assigned transmitter button (IN STEP 2) once.

Status LED Will Flash Twice Per Second

Press And Hold 5 Seconds
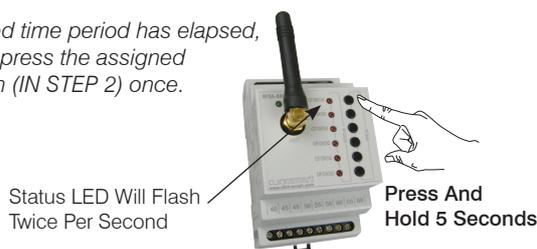
STEP 4 - Save & Exit

To exit programming mode press the 'programming' button for less than 1 second.

Press And Hold For 1 Second

CS2 - Memory Status
Single LED flash on exit - Memory status not engaged
Double LED flash on exit - Memory status is engaged
To toggle between status's enter and exit programming mode.

To Remove A Single Function

STAGE 1

Status LED Will Flash Twice Per Second

Press And Hold For 5 Seconds

STAGE 2

Function Button

Press The Transmitter Button Once To Remove.
The Receiver LED Status Should Be OFF
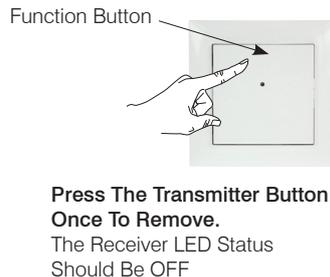
To Remove All Stored Functions

Press and hold the 'programming' button for 8 seconds.

The LED will flash once per second after 2 seconds, then twice per second after 5 seconds then go back to once per second, the functions are now removed.

Press the programme button for 1 second to exit programming mode.

V2.0