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   RFDAC-71B - 0(1)-10V Dimming Receiver With Analogue Output

Suitable for controlling control gear with 0(1)-10V analogue input.

16A switched output to control gear allowing the gear to be physically turned ON and OFF.

Simple selection of output voltage: 0-10V (green LED) or 1-10V (red LED).
Press the 'PROG' button for 1 second to change output voltage.

Receivers can be mounted directly behind individual appliances, control circuits locally or within the consumer unit. We recommend the receiver is installed inside a non-metallic enclosure.

The programme button is set back in to the housing. A thin blunt implement e.g. stylus can be used to press and hold the programming button.

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

The receiver 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 RFDAC-71B 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

The switch input will accept up to 16A resistive load. If switching and controlling LED devices please refer to the 'Installation Guidance Notes' supplied with this device.

Type of load	AC1 $\cos \varphi \geq 0.95$	AC2	AC3	AC5a uncompensated	AC5a compensated	AC5b HAL.230V	AC6a	AC7b	AC12
Contact material AgSnO$_2$ contact 8A	250V / 16A	250V / 5A	250V / 3A	230V / 3A (690VA)	230V / 3A (690VA) till max output C=14uF	1000W	x	250V / 3A	x

Type of load	AC13	AC14	AC15	DC1	DC3	DC5	DC12	DC13	DC14
Contact material AgSnO$_2$ contact 8A	x	250V / 6A	250V / 6A	24V / 10A	24V / 3A	24V / 2A	24V / 6A	24V / 2A	x

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

4   Wiring

RFDAC-71B

+ - N L V

V: 230V~ Switched Output
to isolate control gear

Control gear or driver with 0(1)-10V analogue input

0(1)-10V + - L N

Supply Neutral
230V~ Live
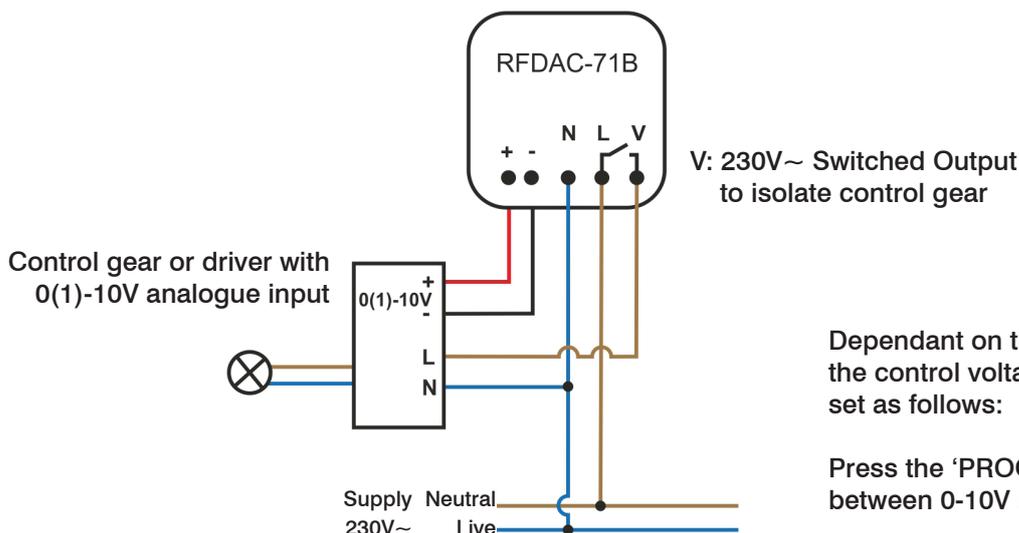
Dependant on the analogue device connected and the control voltage required, the RFDAC-71B can be set as follows:

Press the 'PROG' button for 1 second to change between 0-10V (Green LED) and 1-10V (Red LED).

5   Functions (Dimming Receivers)

		Press button and release	Press button and hold
Function 1	Scene recall / OFF	Press to recall scene, press to turn OFF	Press button for more than 1 second to set scene brightness
Function 2	Scene recall / OFF - Anti-tamper	Press to recall scene, press again to turn OFF	Press button for more than 3 seconds to set scene brightness (avoids accidental scene setting)
Function 3	Scene recall - fade ON / fade OFF - Push to recall scene	Press to recall scene	Press button for more than 1 second to set scene brightness
Function 4	Scene recall / fade OFF	Press to recall scene	Press button for more than 1 second to set scene brightness
Function 5	Variable fade up to Max. (Definable 2 seconds to 30 mins)	Press to start fade up time to maximum brightness	N/A
Function 6	Variable fade down to OFF. (Definable 2 seconds to 30 mins)	Press to start fade down to OFF	N/A
Function 7	ON/OFF	Press once for ON, press again for OFF	N/A

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.

6   Programming The Receiver To Button Transmitters

When installing with the RF Pilot or RF Touch, use the dedicated product manuals for programming.

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)*.

Status LED Will Flash Once Per Second

Press And Hold 2 Seconds

Programming Button
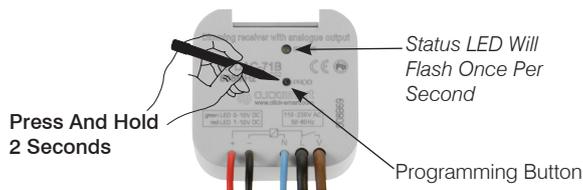
The programme button is recessed in to the body, this is standard. A small implement e.g. stylus can be used to press and hold the button.

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
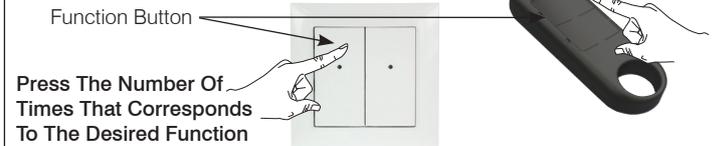
Each time the transmitter button is pressed the LED on the receiver will also flash to confirm the signal has been received.

STEP 3 - Only Required For Functions 5 & 6 (Time Elements)
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 For 5 Seconds
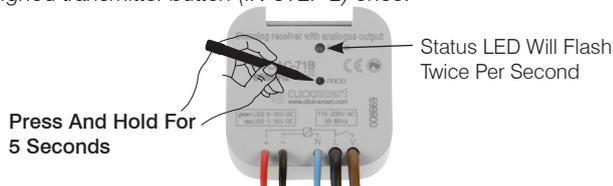
STEP 4 - Save & Exit

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 Transmitter Button From The Receiver

STAGE 1
Status LED Will Flash Three Times Per Second

Press And Hold For 5 Seconds
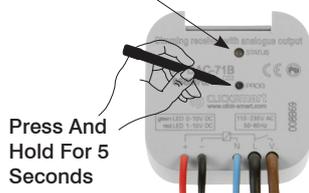
STAGE 2
Transmitter Button
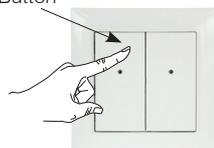
Press The Transmitter Button Once To Remove.
The Receiver LED Status Should Be OFF

To Remove All Paired Buttons

Press And Hold The 'Programming' Button For Longer Than 8 Seconds.

The LED status will change over the 8 seconds.
After 2 seconds the LED will flash once per second. After 5 seconds the LED will flash three times per second and after 8 seconds will go back to flashing once per second, release the programming button.

Press the programme button for less than 1 second to exit programming mode and remove all paired buttons.