Preprogrammed options

DANLERS radio receiver switches can be factory programmed, with the associated senders, to perform more complex functions, such as:

- On - Auto Off after set time period
  - with Manual Off
  - with flashing warning 15 seconds before Auto Off
- Delayed Off or On, momentary On or flashing On
- Toggle On - Off with same button.

Fault finding

Radio receiver switch does not respond to sender:

- Ensure the sender is correctly associated to the radio receiver.
- The sender is too far away or RF absorbed by building or trees.
  Move sender closer to receiver or consider using a repeater.
- The sender battery is flat (average life approx. 5 years).
  Change battery, make reference to sender installation notes.

Load and receiver LED flash twice every time the sender is pressed:

- Ensure the radio receiver switch is not in programming mode.

Radio receiver relay clicks but load does not switch on / off:

- The load or in-rush current is too large and has damaged receiver.
  Use a contactor to switch over limit loads.

Precautions and Warranty

This product conforms to BS EN 60669-2-1.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. 6 amps over current, 1kV over voltage. Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

Products available from DANLERS

- PIR occupancy switches • Daylight linked dimmers • Manual high frequency dimmers
- Photocells • Radio remote controls • Time lag switches • Outdoor security switches
- Dimmers • Heating, ventilation and air-conditioning controls • Bespoke / O.E.M. products

Please call for more information or a free catalogue, or visit our website.

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DANLERS

Installation notes

Radio receiver switches

WACE RFS	**CEFL RFS**	**DIN RFS**	**EX RFS**
CEVO RFS	**CEVO RFS6A**	**CERF S6A**	**PORF S8A**

DANLERS radio receiver switches can be user programmed to respond to any DANLERS radio frequency (RF) manual (or slave) senders. With a manual sender the radio receiver switch will switch the load on when an associated up button is pressed and switch the load off when the down button is pressed.

With a slave sender the radio receiver switch will follow the state of the input signal to the slave sender.

To dim a load use a radio receiver dimmer instead.

Mounting examples

WACE RFS	Wall or Ceiling mounted onto a 16mm deep back box
CEFL RFS	Ceiling Flush (cutout ø 63mm) or in ceiling void
DIN RFS	Din rail mounting (w x h x d: 36 x 75 x 100mm)
EX RFS	External unit - rated to IP65
CEVO RFS	Ceiling Void, fits cutout ø 60mm (35 x 55x 90mm)
CEVO RFS6A	Ceiling Void, fits cutout ø 90mm (55 x 75 x 130mm)
CERF S6A	Ceiling mounted to Klik-AX socket. Order: CESO(SQ)
PORF S8A	Portable unit for plugging into square 3-pin socket

Loading limits

Suffix	Resistive	Fluorescent	Fans
RFS	1500W	250W	250W
S6A	1500W	1500W	250W
S8A	2000W	250W	250W

Connection method

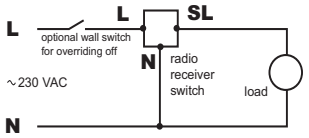
WACE, DIN, EX	Via incorporated terminals
CEFL, CEVO	Via 2 metre flex
CERF	Klik-AX socket (round: CESO, square: CESO SQ)
PORF	Plugs into square 3-pin power socket

Installation procedure

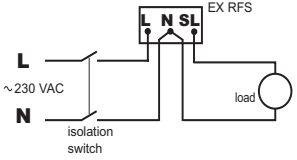
1. Please read these notes carefully before commencing work.
   In case of doubt please consult a qualified electrician.
   Make sure the power is isolated from the circuit.
2. The radio receiver switch should be connected as:
   L Live
   N Neutral
   SL Switched line output (CERF: Kilk-AX socket 'A' terminal)
3. Typical wiring diagrams and mounting details are shown below.
4. EX RFS: unit should be fixed using only the pre-drilled mounting holes and 6-12mm diameter circular cables used. If IP65 rating not achieved then drain-hole guide on lower face of box should be carefully drilled through with 4mm drill to max depth of 10mm, enabling IP54.
5. Once the wiring has been completed and verified, switch on the supply and program the radio receiver switch to the appropriate senders.

Installation diagrams

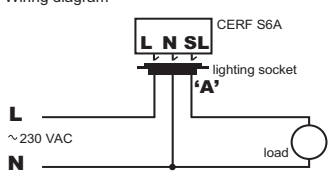
WACE RFS, CEFL RFS, DIN RFS, CEVO RFS(6A)
Wiring diagram



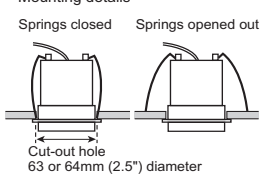
EX RFS
Wiring diagram



CERF S6A
Wiring diagram



CEFL RFS
Mounting details



Programming procedure

If you have a pre-programmed radio receiver switch please do not attempt to reprogram it.

Each radio receiver switch can be programmed to respond to up to 15 senders as outlined below. To assign a slave sender please refer to the installation notes received with the slave sender.

CEFL RFS and WACE RFS have a single programming hole, other units also have a smaller LED hole.
WARNING: Do not probe the smaller LED hole.

Needed: A small screwdriver to 'Press' the internal programming button of the radio receiver.

Notes: 'Quick Press' - less than half a second,
'Wait Press' - until next step is completed.
To 'Quick Press' or 'Wait Press' the manual sender use either the up or down button.

Ensure the radio receiver switch is powered.

WARNING: The EX RFS must be open whilst programming, the terminals will be LIVE.

WARNING: If a load is connected during programming it will be switched on when the LED is on.

To assign a Manual Sender
1 'Quick Press' the radio receiver - LED switches on
2 'Quick Press' the manual sender - LED flashes off twice
To assign more senders repeat step 2
3 'Quick Press' the radio receiver - LED switches off

To de-assign a Manual Sender
1 'Quick Press' the radio receiver - LED switches on
2 'Quick Press' the manual sender - LED flashes off twice
To de-assign more senders repeat step 2
3 'Quick Press' the radio receiver - LED switches off

To de-assign all Senders
1 'Quick Press the radio receiver - LED switches on
2 'Wait Press' the radio receiver until LED flashes off five times
3 Wait for 5 seconds - LED switches off