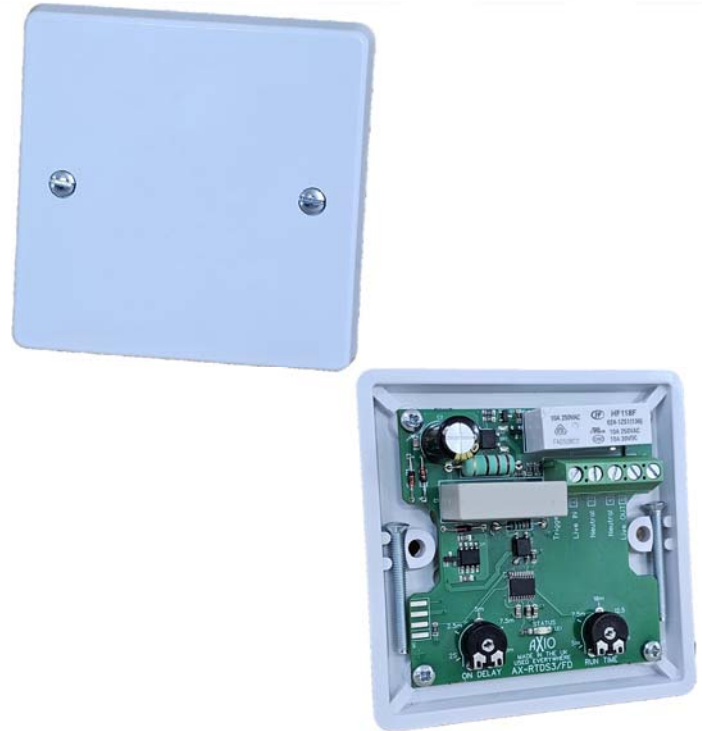


Product overview

The AX-RTDS3 is a device that allows you to control an electrical load with a simple trigger. It is ideal for applications that require a delayed start and a timed stop, such as ventilation fans, heaters, pumps, etc. The AX-RTDS3 works with a 230Vac input and output, and can handle resistive loads up to 6A. The trigger source can be a switch or a sensor. When the trigger is activated, the AX-RTDS3 will wait for a period of time (ON_DELAY) before turning on the load. The ON_DELAY can be adjusted from 2 seconds to 10 minutes using the on-board potentiometer. When the trigger is deactivated, the AX-RTDS3 will keep the load on for another period of time (RUN_TIME), and then turn it off. The RUN_TIME can also be adjusted from 5 minutes to 15 minutes. There is also a version of the AX-RTDS3 that has a fixed ON_DELAY of 2 minutes, which is suitable for toilet ventilation applications. The AX-RTDS3 is easy to install and operate, and offers a reliable and convenient way to manage electrical loads.



Products Features

- 230Vac operated
- Fits in a 1-gang box
- Configurable on delay and run time
- Switched live output

Product Specifications

Power supply:	230 Vac \pm 10 % 230V
Power consumption:	1W maximum
Trigger:	230Vac
Turn on delay:	Adjustable 2Sec to 10Min . (Fixed 2 Mins in -FD model)
Turn off delay:	Adjustable. 5 Mins to 15 Minutes after trigger is removed.
Output:	Switched live
Contact rating:	6A @ 240Vac resistive
Terminals:	Rising clamp for 0.5-2.5mm ² cable
Ambient temperature range:	0°C to +50°C
Front plate material:	Flame retardant ABS
Dimensions:	85 x 85 x 35 mm
Backbox depth:	Minimum 26mm
Conformity:	EMC:2014/30/EU , LVD:2014/35/EU
Weight:	160gms
Country of origin:	UK

Product Order codes

- AX-RTDS3** Remote time delay switch. Adjustable on delay and run time
- AX-RTDS3-FD** Remote time delay switch. Fixed on delay of 2 Minutes. Adjustable run time.

Dimensions

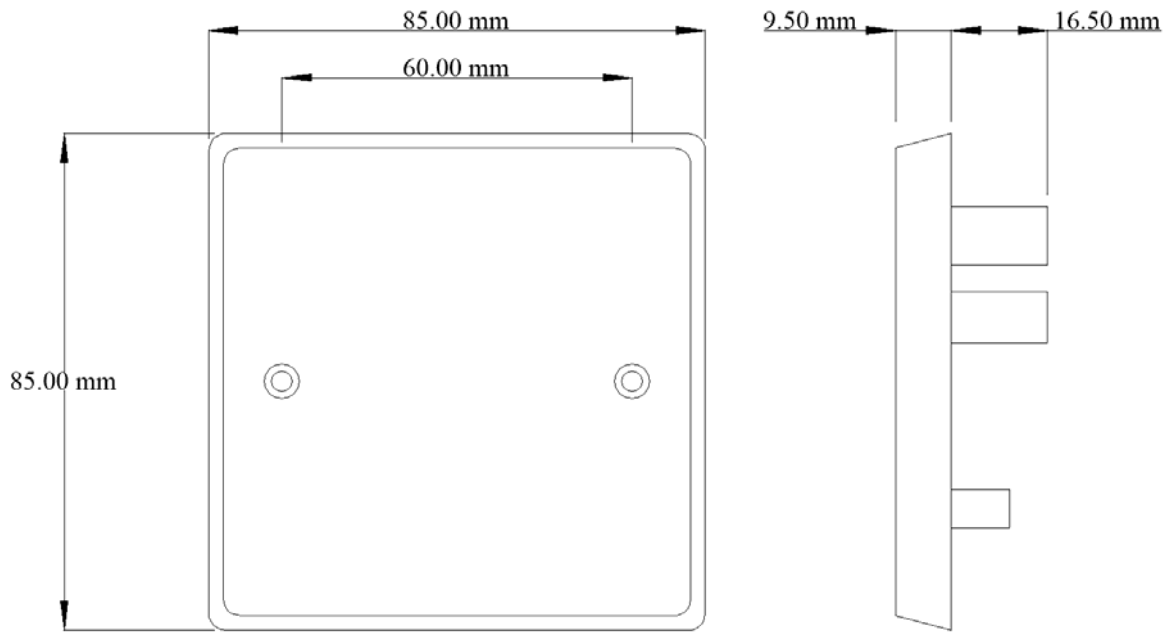


Figure 1 : Dimensions

Installation and Operation

The AX-RTDS3 should be installed by a suitably qualified technician in conjunction with any guidelines for the equipment it is to be connected to and any local regulations.

Adhere to the following guidelines for the proper operation of the product.

- Turn off the power supply to the device before doing any work on it.
- Avoid placing the device on a surface that vibrates.
- Do not overload the device beyond its specifications. This could cause damage to the contacts.
- DO NOT touch any components on the PCB when power supply is connected.
- Adjust the ON_DELAY and RUN_TIME settings using the corresponding potentiometers.
- Connect the power supply to the device. The status LED will flash dimly once per second. This means that the device is waiting for a trigger signal and the output is off.
- Apply a trigger signal to the device. The status LED will blink rapidly. The device will wait for the ON_DELAY period to end. If the trigger signal is removed, the device will return to the waiting state. Otherwise, the output will turn on after the ON_DELAY period. The LED will stay on when the output is on and the trigger signal is present.
- Remove the trigger signal from the device. The output will turn off after the RUN_TIME period is over. The LED will flash slowly during this period. The device will return to the waiting state.
- After testing the device, use the supplied fasteners to mount the device in the single gang back box.

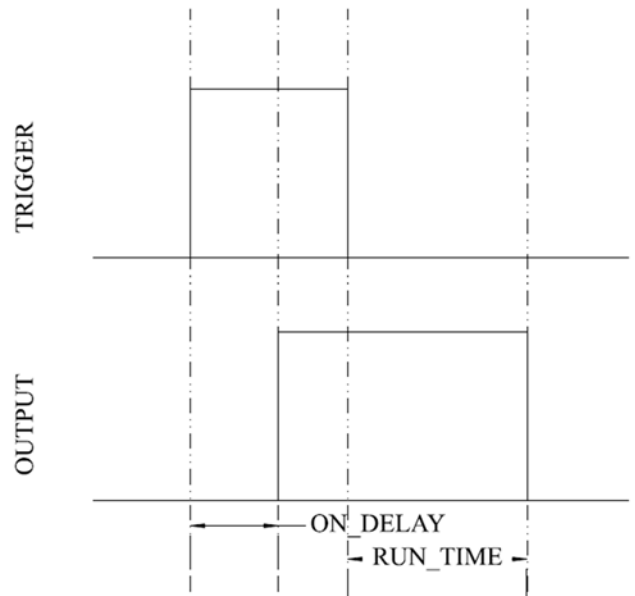


Figure 2 : Operation

Connections

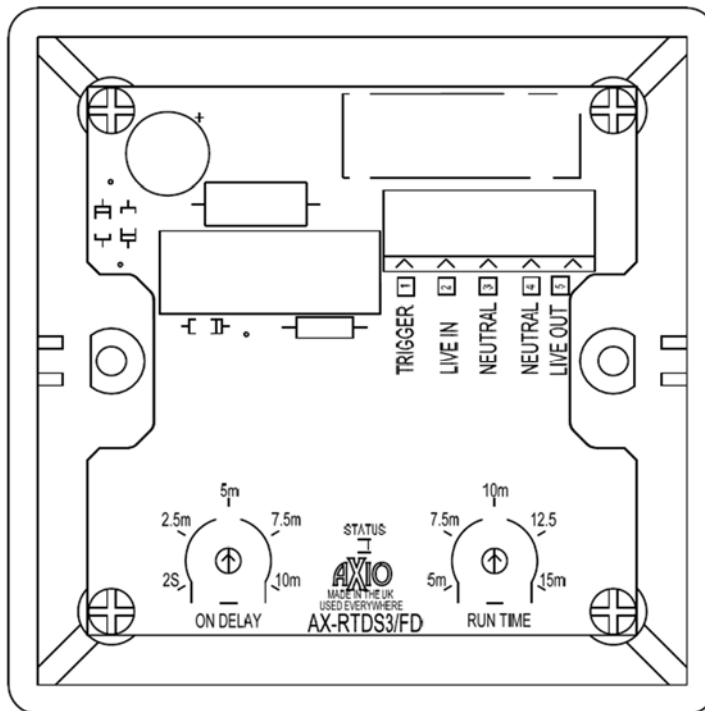


Figure 3: Connections

Typical Application

- Toilet exhaust fan control

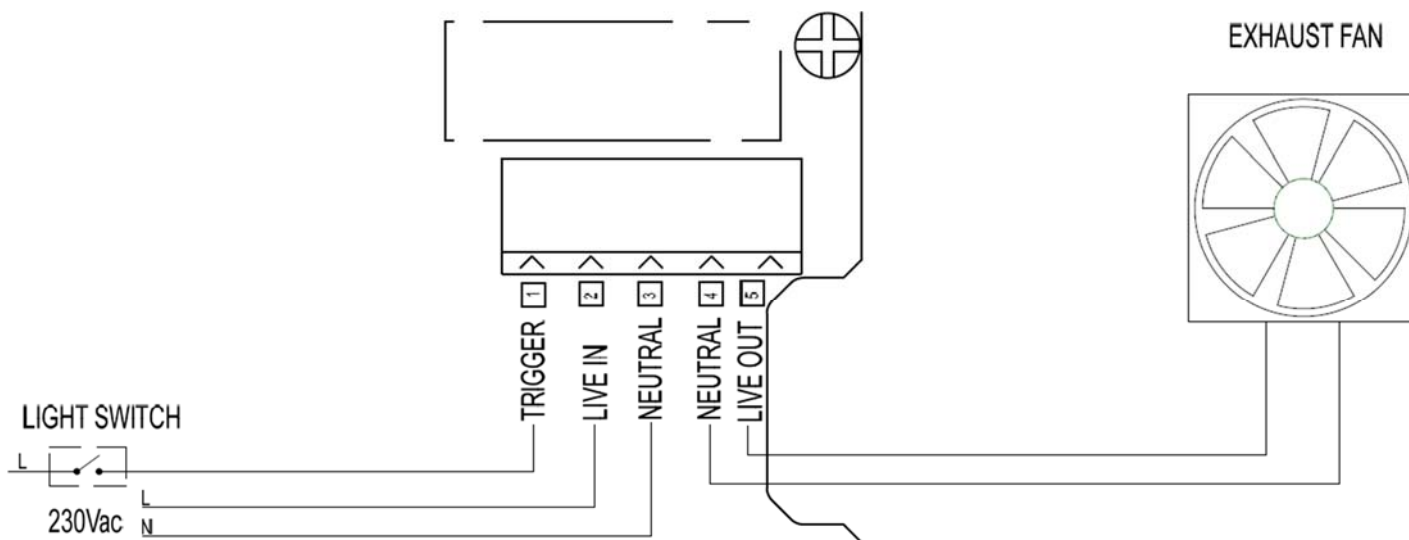


Figure 4: Application- Toilet exhaust

Datasheet Contents

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