



ABC FR Series

The ABC-FR is an Australian designed and made product used to monitor a 240VAC load such as a range hood / lighting circuit or toilet lights (non contact) and bring on another fan or operate a drive open/drive closed damper for air flow.

When current is detected the ABC FR unit will turn on the on board relay, when the circuit being monitored is turned off a built in adjustable run on timer will keep the output relay energized for up to 10 min. The output relay can be used to control up to 5 Amps at 240VAC.



ABC-FR2

ABC-FR3

Typical Applications

ABC FR2

When used to monitor the power to toilet lights the ABC FR2 unit can be used to operate the toilet fan. The fan will operate when any light switch is turned on and can be set to stop 10 min after the last light has turned off. You can use the internal jumper to take power from the lighting circuit for the fan or remove the jumper and use external power on the relay.

ABC FR3

Up until now, if you wanted to know when an apartment range hood is running so a booster fan of fresh air damper can be turned on, you had to access the internal electrical wiring of the range hood and connect directly to the fan motor breaking the warranty and using valuable installation time.

Now, by using the ABC FR3, you can simply unplug the range hood, plug the ABC FR3 into the range hood power point then plug the range hood into the ABC FR3.

Other versions available on request to suit your needs.

Specifications

Operation voltage	220 to 240 VAC
Max Current	10 Amps inductive
Max relay switching current	5 Amps inductive
Timer range ABC FR2	0, 5 min, 10 min jumper settable
Timer range ABC FR3	fully adjustable from 0 to 10 min.

Wiring schematic ABC-FR2:

Wiring schematic ABC-FR3:

