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APPLICATION NOTE

AN-60

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ES240 – RCBO Overload and Safety Model

Overload and Safety Functionality

This note describes an application for using the **EASYsafe** as a means to control and protect connected appliances from current overload and personnel from electrocution.

The ES240 -RCBO is an in-line, single switch board, bench top or surface mounted, consisting of a 10 amp circuitbreaker and 30 ma Earth Leakage Safety Switch (RCBO).

No electrician is needed as when the IEC plug is connected to the electrical mains the on board IEC socket will safely and reliably deliver power to any attached equipment.

The **EASYsafe** conforms to Australian Standard ASNZS 61009.1 and complies with Energy Safe Victoria's additional testing and verification requirements as of 1st July 2018.

The RCBO used has C curve magnetic tripping and 10 amp overload with a breaking capacity of 4500 amps and residual earth leakage detection of 30 ma.



The practice of powering multiple pieces of equipment on a single mains circuit can have a significant impact on system operation in the event of one faulty device
brings down all the connected equipment.

The ES240-RCBO individually protects each circuit and the personnel using it, so when a fault occurs, you know exactly which circuit to troubleshoot and
all other installed devices remain on line.