

# ZF10 / ZF16

## Wiring Instructions.

13 Kingsbury Street  
Brendale Qld 4500  
[sales@gayrad.com.au](mailto:sales@gayrad.com.au)  
[www.gayrad.com.au](http://www.gayrad.com.au)

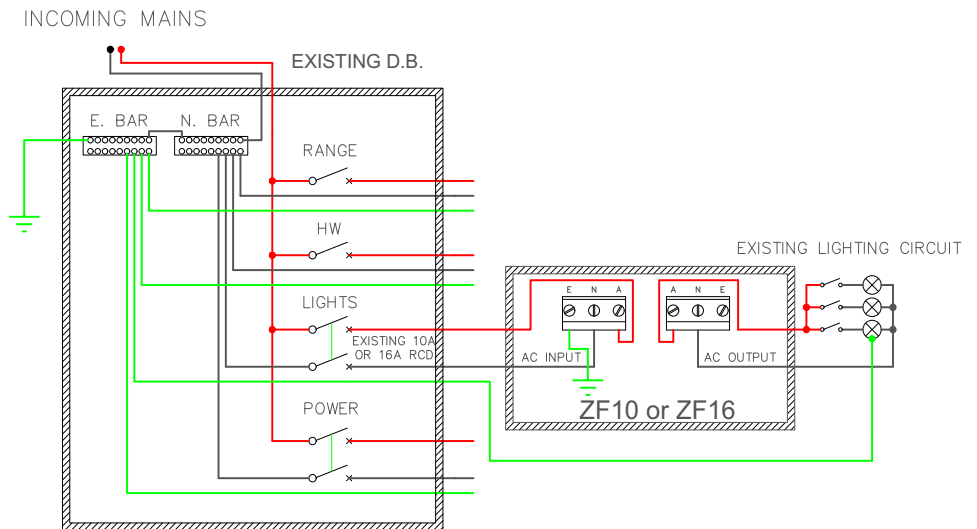
### Installation for single lighting circuit.

Installation in a single lighting circuit requires that the lights are disconnected from the load side of the existing RCD, and reconnected to the output side of the ZF.

The load side of the existing RCD is then connected to the input side of the ZF.

The ZF requires a protective earth. Either the input or output earth terminal on the ZF board can be used.

Of course, the sub-circuit needs to be earthed directly as per AS:3000, and *must not* be earthed *via* the ZF10.



### Installation for multiple lighting circuits.

Installation for multiple lighting circuits will require a new 10A (or 16A in the case of a ZF16 installation) MCB to be installed in the distribution board. This new MCB will feed into the input of the ZF.

The line side of the existing lighting RCDs need to be disconnected from the distribution board, and re-connected to the output of the ZF.

The ZF requires a protective earth. Either the input or output earth terminal on the ZF board can be used.

Of course, the sub-circuits need to be earthed directly as per AS:3000, and *must not* be earthed *via* the ZF.

Total loading of the lighting circuits must not exceed the current rating of the filter:

ZF10 : 10 Amps maximum.

ZF16 : 16 Amps maximum.

