



## HARD WIRE PRODUCT INSTALLATION GUIDE FOR DRM1050 AND DRM750 RIPPLE FILTER INCLUDING AN EXAMPLE OF INSTALLATION IN SERIES WITH A DRM95-20A.



### DISCLAIMER:

This guide has been compiled as a connection guide only for Thor Technologies Ripple Filter DRM1050 & DRM750. In addition, and as an option, if it is wired in Series with Thor Technologies Mains Filtered Surge Protection product DRM95-20A, an example of how to connect is outlined. It is not a guide or instruction for the configuration/orientation of a switchboard or any of the fittings used therein.

The important parts are highlighted in the wiring diagrams for the Thor Technologies DRM1050 & DRM750 and if a DRM95-20A is used.

Each CB\*/RCD\*/RCBO has some variations as to the wiring. Please read the instructions of the safety device before installing with a DRM1050 or DRM750 and a DRM95-20A. The maximum current allowable for the safety device to be used is 10A as the Ripple Filter Maximum current load is 10A.

All wiring must be carried out by a licensed electrician and all work is subject to regulations in each state or territory.

### Special instructions for all Thor Technologies hardware products:

The neutral connection output from the Thor Technologies hardware product like the Ripple Filter or DRM95-20A must be used as a totally isolated neutral out for the circuit being protected/filtered output.

*Do not return the Neutral out from the Ripple Filters or from the DRM95-20A to the common Neutral Bar in the switchboard or cross wire into existing circuits where that circuit's neutral is returned to the common neutral bar at the switchboard. Doing so will cause the product to overheat and subsequently fail. If wired incorrectly with continuous current draw it may cause the casing to melt or lead to other major problems.*

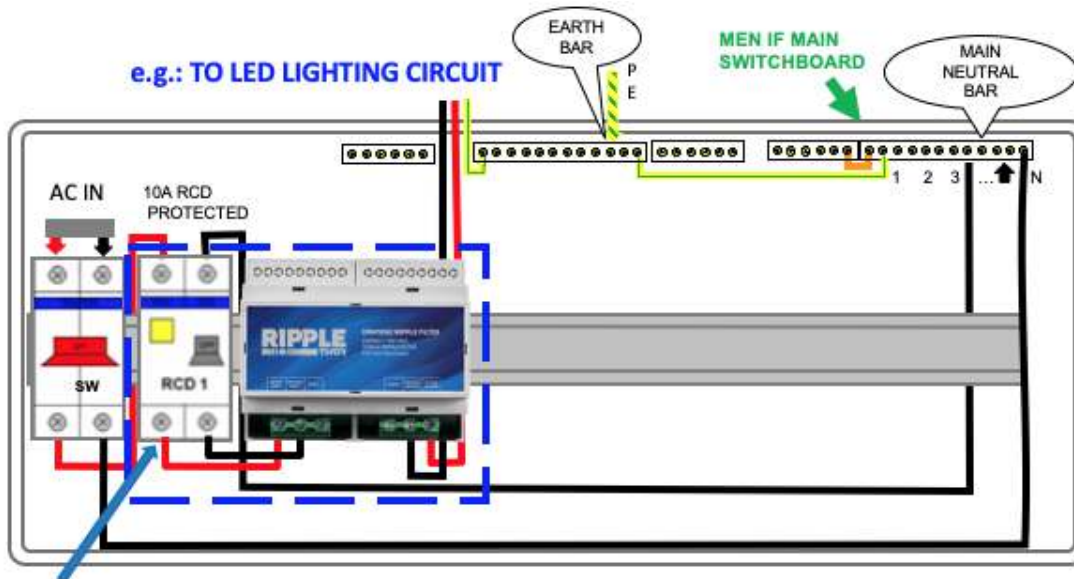
Installer created or existing problems are not covered by Thor Technologies product warranties written, implied or otherwise.

THE Ripple Filter Circuit and the DRM95-20A circuit if used should be totally independent and isolated.

All drawings subject to change without notice.

\*shown on diagram

## WIRING EXAMPLE OF SWITCHBOARD USING AN RCD AND DRM1050/DRM750

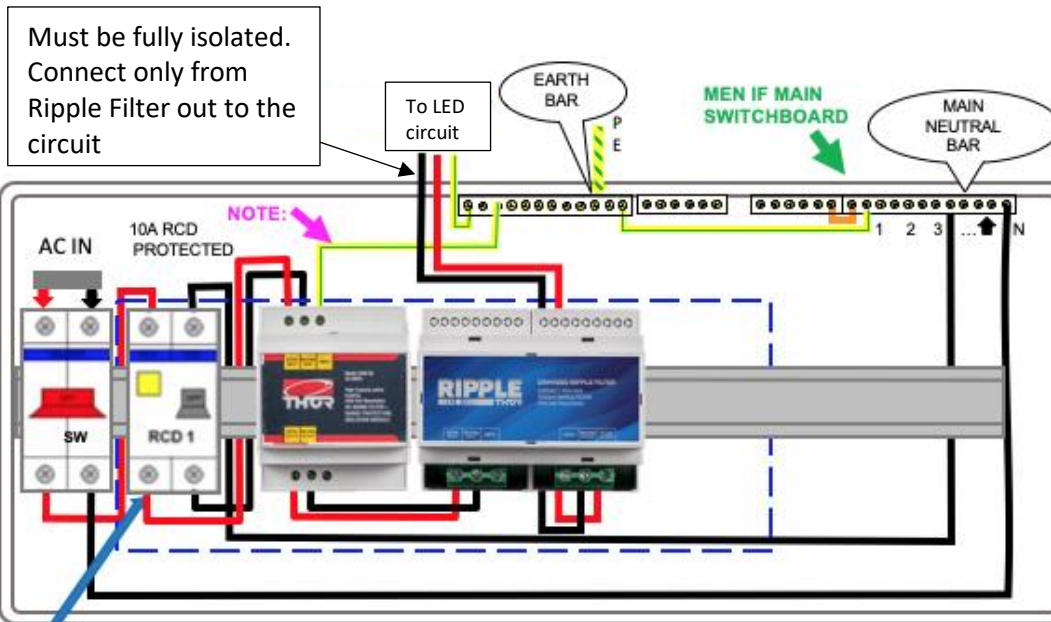


10A RCD  
Recommended  
Subject to Regulations

Note: No Earth connection required. Outputs use Earth bar  
10A max per circuit. Not per Outlet.

Guide only for DRM1050/DRM750. All wiring subject to Regulations in each State and Territory.  
Cable used must meet 10A Standards and must use 10A RCD as Ripple Filter 10A max.

## WIRING EXAMPLE OF SWITCHBOARD USING AN RCD AND THOR'S MAINS FILTERED DRM9520A IN SERIES WITH DRM1050/DRM750 RIPPLE FILTER



10A RCD  
Recommended  
Subject to Regulations

Note: Earth connection required DRM95 20A Input only.  
For Output connections always use Earth Bar.

Guide only for DRM1050/DRM750. All wiring subject to Regulations in each State and Territory.  
Cable used must meet 10A Standards and must use 10A RCD as Ripple Filter 10A max.