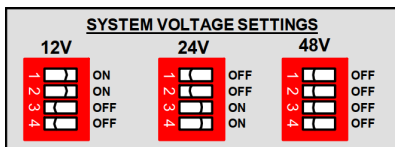


The **Micha** Earth Leakage Module is designed to be connected to the Expansion Port of the MSR_x Charge Controller. The module can be used with 12V, 24V or 48V battery systems and is designed to sense an earth leakage current of 3mA from either Live or Common to Earth. The units are housed in a Din Rail Module (DRM) housing. An isolated change-over relay contact is available for external signalling.

Setup and Configuration



Ensure that the DIP switches are set to the correct voltage settings **before** connecting to the LIVE and COM. Failure to do so can damage the module.

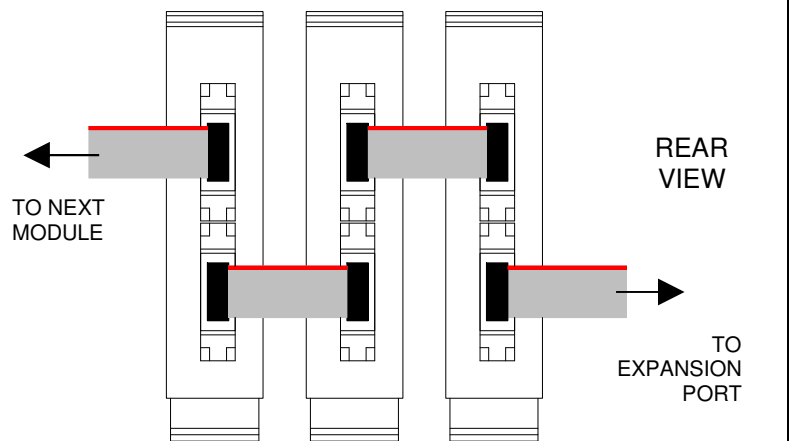
In the MSR_x menu, navigate to the '**Set Exp Module - Earth Leakage**' screen on the main controller setup menu and carry out the following procedure:

Display	Screen	Description
Earth Leak Mod: Select: Disable	1	The Earth Leakage Module must be Enabled using this Screen. When the unit is enabled, the Power LED will flash indicating communication between the host controller and the Module.
Earth Leak Mod: Alm Dly: 60secs	2	The Alarm Delay Time can be adjusted from 5 to 240 seconds. This is the time from when the alarm condition exists until the alarm relay operates.

Fitting and Connection of Modules

The modules clip onto standard 35mm symmetrical and 32mm asymmetrical din-rail. Each unit is supplied with 10-way IDC ribbon cable assemblies for connection to the controller Expansion Port and to an adjacent Din-rail unit.

Note: All ribbon-cable connections should be made before the controller is powered up. Cables can be plugged into either upper or lower connectors.



Part number: **101 594** DRMx Earth Leakage Module

(Replaces part numbers 102144, 102145 & 102146)