

# MSR 4x5A Relay Control Module



The Relay Contact Module is an ultra-compact DIN rail mounted unit with connections for four relay outputs and an M-BUS network. Each feed-through relay can switch 5 A with a maximum module load of 20 A.

Each of the four relays can be individually addressed and are all synchronised to zero crossing of the AC sine wave referenced to the module mains supply. This minimises the potential arc damage that can occur to the contacts.

The Relay Contact Module can be used in standalone mode where it can be set-up directly via the on-board keypad and display driven menu system without the need for a PC.

As part of a wider networked solution, Relay Contact Modules can be configured to operate as part of an EcoControls fully addressable lighting management system.

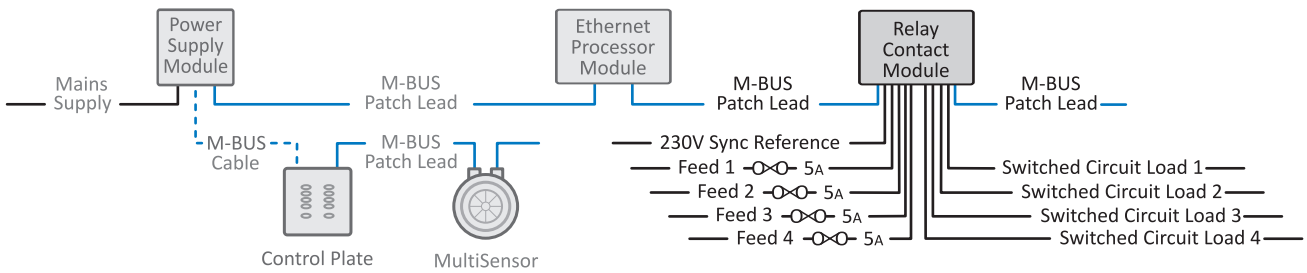
## Key Features

- » Four channels of individually addressable relays
- » One Double Pole Change-over contact for forward/reverse motor control for Blinds operation
- » Three Single Pole Change-over contacts for standard on/off operation
- » 5 A per relay - resistive or inductive load
- » Mains synchronised zero crossing of relay contacts
- » Feed through relay contacts (volt-free) for interface with other building control systems
- » Intelligent standalone feature providing multiple operating modes programmed from the menu driven display and keypad
- » M-BUS to a range of field based Control Devices such as MultiSensors, Switch Input Units, LCD and Multi-button Control Plates, Blind Controllers and RS-232 Audio Visual Interface

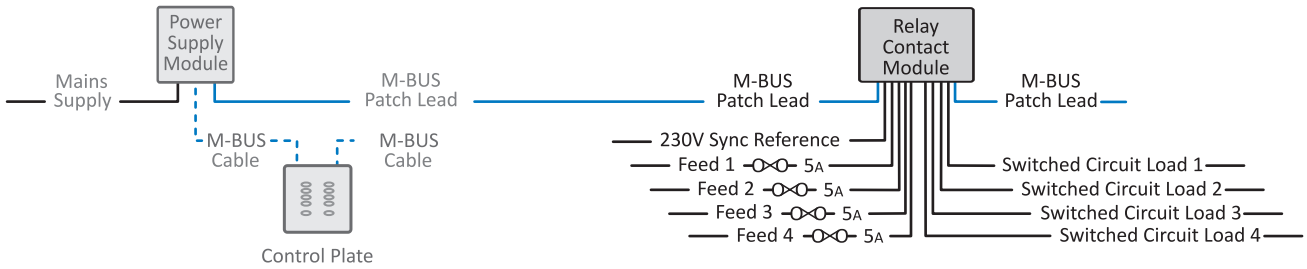


## System Architecture

### Networked



### Standalone



## Technical Data

Power	
Mains Supply	<ul style="list-style-type: none"> <li>» 230V AC +/- 10% 50 / 60Hz single phase (Mains Sync)</li> <li>» Locally isolated via an unswitched fused spur 3 A maximum</li> </ul>
Connections & Cable Specifications	
M-BUS (1qty)	<ul style="list-style-type: none"> <li>» 24V DC for M-BUS devices</li> <li>» Fast, flexible installation using M-BUS Patch Leads</li> <li>» Safety Extra Low Voltage (SELV)</li> </ul>
Relay Outputs (4qty)	<ul style="list-style-type: none"> <li>» 4 x 5A max - resistive or inductive</li> <li>» Feed-through relays</li> </ul>
Output Control Type	<ul style="list-style-type: none"> <li>» 1 x DPCO and 3 x SPCO</li> </ul>
Mechanical & Standards	
Material	<ul style="list-style-type: none"> <li>» Extruded aluminium case</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>» 104mm Wide x 100mm High x 64mm Deep</li> </ul>

### Note

For additional technical information refer to Installation Guide DIN-MSR-05-04.

