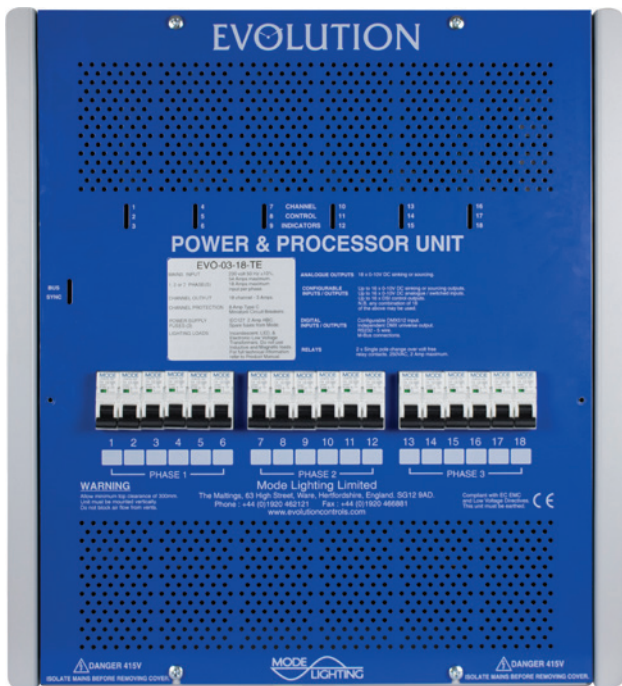


Power & Processor Unit 18 x 3A - TE



Evolution is a fully scalable control system offering control of lighting and auxiliary loads with DMX, DSI, 1-10V, RS-232 and astronomical time clock control built in as standard.

The Trailing Edge Power and Processor Units are designed specifically for the control of Trailing Edge controllable loads i.e. certain electronic LV transformers, filament lamps and the latest generations of dimmable low energy lamps and LED drivers.

Evolution Power and Processor Units build on the quality and reliability of Mode product designs and offers high specification control and power management in a mechanically, electrically and thermo dynamically designed unit.

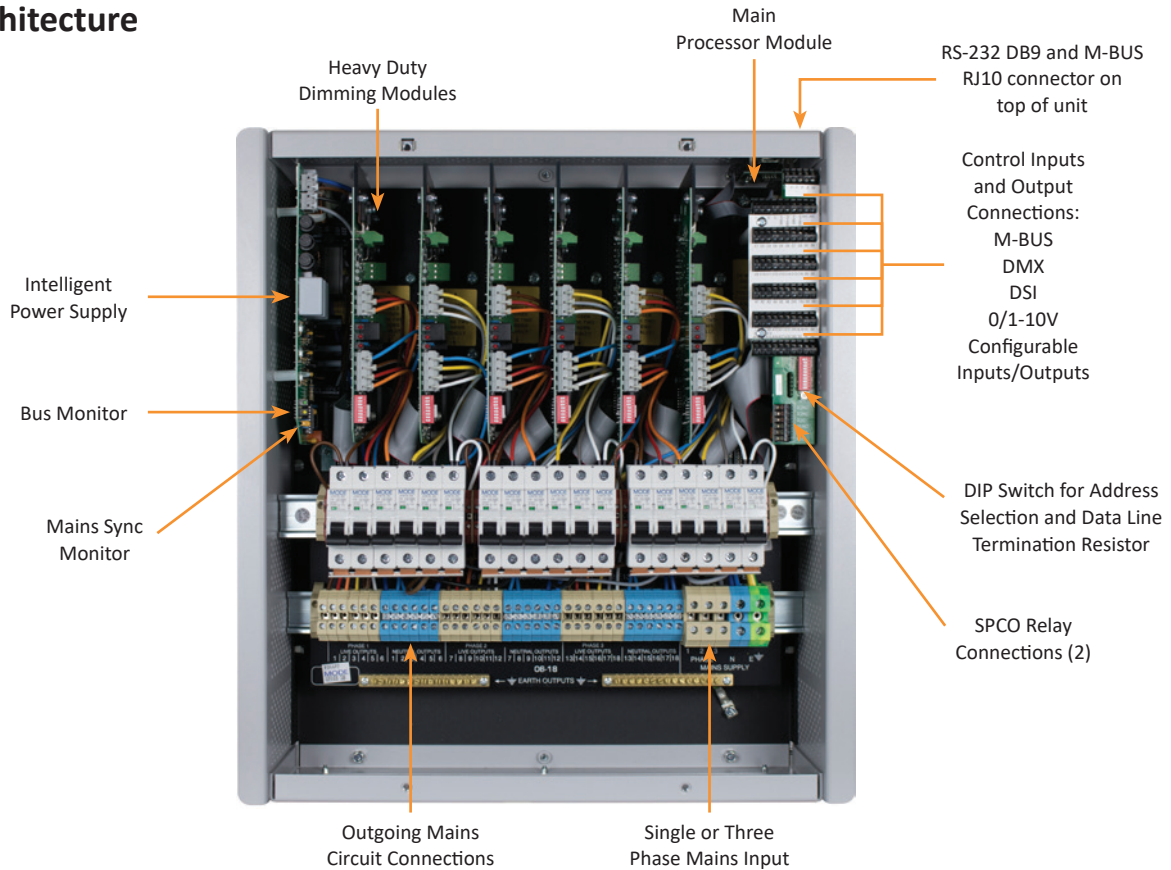
Key Features

- » Eighteen dimmable channels of 3A trailing edge loads.
- » Trailing Edge Dimming Technology.
- » Fully configurable control operation.
- » Multi function DSI, DMX, M-BUS, RS-232, 0/1-10V and contact operation.
- » Astronomical time clock built in.
- » Intelligent self monitoring power supply.
- » Factory set default operation for quick installation and testing.
- » Individual 8A Type C MCB Circuit Protection.
- » Emergency Fixed Live MCB protected outputs (2 per phase) for maintained emergency supplies.
- » DIN rail mounted wiring terminals.
- » Supply input 230/240V. 50-60Hz. Single or three phase options.
- » Complies with EC EMC and Low Voltage Directives (CE).
- » 2 year warranty.

EVOLUTION
IT WAS ONLY A MATTER OF TIME



System Architecture



Technical Data

| Power | |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Mains Supply | » 230V AC +/- 10% 50/60Hz, single or three phase options |
| Control Fuse | » 20mm x 5mm 2A HRC ceramic (3) |
| Connections & Cable Specifications | |
| Channel Outputs | » Eighteen channels of 3A Trailing Edge loads only » Check with LED lamp manufacturer for recommended number of lamps* |
| Output Type | » M-BUS, RS-232, DMX, 0/1-10V, DSI |
| Circuit Protection | » Individual Miniature Circuit Breaker (MCB) 8A Type C » RCBOs available to special order |
| Control Input | » M-BUS, RS-232, DMX, 0/1-10V, Contact Closure |
| Contact Output | » 2 x SPCO (250V AC, 2A maximum) relay contacts |
| Mechanical | |
| Standards | » EN55015, EN61547, EN61000-3-3, EN60439-1, EN60950 |
| Conduit Entries | » Eight off 32mm diameter or removable panel |
| Dimensions | » 534mm High x 482mm Wide x 160mm Deep |
| Fixing Centres | » 452mm x 464mm |
| Weight | » 18kgs |
| Packed Size | » 600mm High x 550mm Wide x 250mm Deep |
| Packed Weight | » 19kgs |

Note

For additional technical information refer to Installation Guide EVO-03-18-TE.

*The maximum number of lamps on a circuit and dimming performance will vary for different lamps and manufacturers. Users should verify performance and dimming range with the lamp manufacturer. For further advice please contact your local distributor or the Mode Lighting Technical team.

Installation should be in accordance with the relevant National Wiring Regulations and other applicable Regulations. Compliance to EC EMC and Low Voltage Directives may be invalidated if not used or installed according to the published specification.

EVO-03-18-TE should be located in well ventilated areas and should not be covered or enclosed by insulating materials.

Mode reserve the right to amend the product specification or design at any time and without notice.



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