



## *Interchangeable Dimmer & Switch Modules*



MINIGRID™ dimmer modules are fitted as standard into our moulded POLAR™ & MODE®, decorative DEFINITY™, DEFINE® & DECO® ranges.

MINIGRID™ dimmer switches are developed largely for use with Tungsten, Halogen and Low Voltage lamps.

**Interchangeable Dimmer Switch Modules**

**Product Range**

**Interchangeable Dimmer & Switch Modules**

<b>MD9001</b>	6A 2 Way Push On/Off Switch Module (Non-Dimmable)
<b>MD9010</b>	1-10V Analogue Dimmer Module (Requires Seperate On/Off Switch)
<b>MD9022</b>	250W/Va 2 Way Resistive/Inductive Dimmer Module
<b>MD9042</b>	400W/Va 2 Way Resistive/Inductive Dimmer Module



MD9001



MD9010

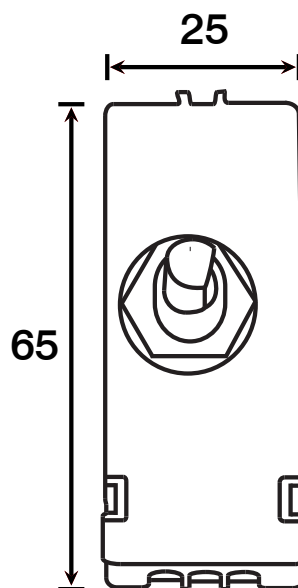


MD9022



MD9042

**Product Dimensional Drawings (mm)**



Errors & Omissions excluded. Specification is subject to change without notice.

V1.0

Scolmore International Ltd, 1 Scolmore Park, Landsberg, Lichfield Road Ind. Estate, Tamworth, Staffordshire, B79 7XB

**Telephone:** 01827 63454

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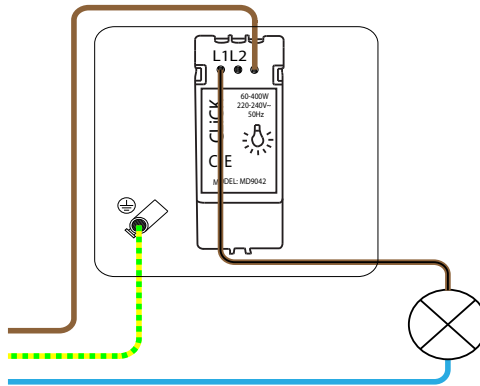
**Facsimile:** 01827 63362

**Website:** www.scolmore.com

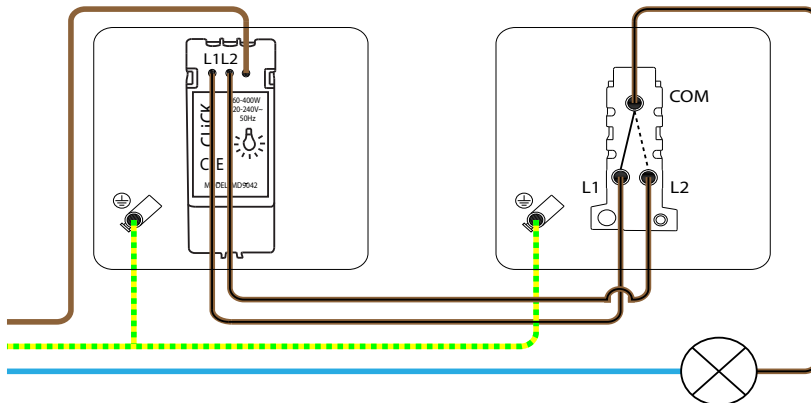
**Interchangeable Dimmer Switch Modules**

**Wiring Diagrams**

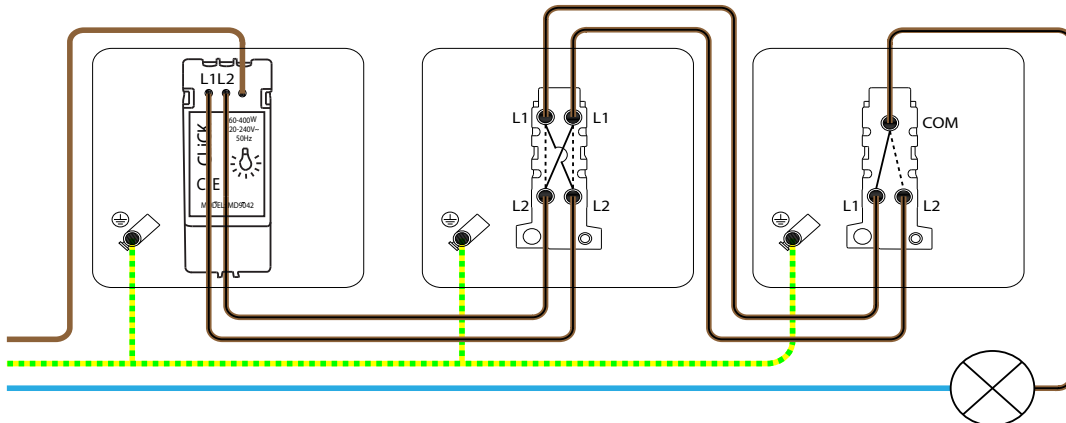
1 Way Switched Circuit



2 Way Switched Circuit



Intermediate Switched Circuit



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## Interchangeable Dimmer Switch Modules

### Technical Specification

#### Interchangeable Dimmer & Switch Modules

<b>Material Composition</b>	Module Housing: Nylon Terminals: Brass, Terminal Screws: Steel & Yellow Passivated
<b>Voltage</b>	240V~ 50Hz / 1-10V (MD9010)
<b>Current Rating</b>	6A (MD9010)
<b>Rated Watts</b>	40-250W (MD9022) & 60-400W (MD9042)
<b>Load Type</b>	Resistive / Inductive
<b>Module Type</b>	Leading Edge Technology (MD9022 & MD9042)
<b>Terminal Size</b>	3.5mm ø
<b>Cable Size</b>	2 x 1.5mm <sup>2</sup>
<b>Back Box Depth</b>	25mm - 47mm (Dependant on Mounting Plate Used)
<b>Modular</b>	Yes
<b>Warranty</b>	1 Year
<b>IP Rating</b>	IP20
<b>Operational Temperature</b>	-5° to +40°C
<b>Standards</b>	The Low Voltage Directive 2006/95/EC BS EN 60669-1:1999 + A1:2002 + A2:2008 EN 61000 : 1995 + A1, EN 55015 : 2000 + A1 EN 55015 : 2000 + A1

### Additional Information

We recommend using branded tungsten halogen lamps that incorporate internal fuses. The use of inferior, non-branded lamps may require the nominal rating of the dimmer to be reduced.

When dimming low voltage lighting, this dimmer must be used with dimmable, leading edge transformers only. Always check compatibility prior to installation and if in doubt, seek advice with transformer manufacturer.

Ensure that the mains supply is isolated before commencing installation and refer to the circuit diagram supplied with the relevant product.

We DO NOT recommend mixing electronic and magnetic transformers on the same dimmer switch.

MD9010 requires a separate ON/OFF switch.



DECLARATION OF CONFORMITY

- 1. *Issuer Name* Scolmore International Limited
- 2. *Issuer Address* 1 Scolmore Park, Landsberg,  
Lichfield Road Industrial Estate,  
Tamworth, Staffordshire, B79 7XB
- 3. *Object(s) of Declaration* MINIGRID Range
  - a. *Group* Interchangeable Dimmer & Switch Modules
  - b. *Models No.* MD9001, MD9010, MD9022, MD9042
- 4. *The object of the declaration described above is in conformity with the requirements of the following Legislations:*

Document No	Title
2006/95/EC	Low Voltage Directive

5. *All products contained within the aforementioned comply with the relevant standards and requirements listed below.*

- EN 55015 : 2000 +A1
- EN 61000 : 1995 +A1
- BS EN 60669-2-1 : 2000

6. *I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.*

*In conjunction with the above all manufacture and process controls are in accordance with ISO 9001:2008*

Signed, for and on behalf of: Scolmore International Limited

Steven Bettson BSc - Senior Technical Support Engineer

