

The **DM-DGL/b** rail mounting digital dimmer is an innovative product of the digital technology, especially designed to fulfill the needs of professional spaces in the important field of lighting adjustment and energy savings. Its perfect linearity in lighting adjustment with alternative types of lamps such as Dimmable LED, Dimmable CFL and previous technology lamps (RESISTIVE & HALOGEN) makes this product unique. The product can be remotely controlled through one or several distant buttons.

Control: The DM-DGL/b has 3 buttons for control and a remote control input.

• **Button 1:** It is used to activate and de-activate the electric load. • **Button 2 & 3:** They are used to adjust the lighting intensity and therefore the consumption of the load at the desired point for the operator, from 1% to 100%.

Remote control: Input for remote control from one or more parallel connected buttons for adjusting the lighting intensity (ON / OFF) by briefly pressing the button once and long-press for dimming).

Adjustment of minimum power limit: The DM-DGL/b provides the capacity to also control loads from single-phase electric motors. Therefore, it is necessary to control the lower engine speed of the electric motor in order to avoid its overheating and thus its destruction:

- **STEP 1:** Keep the button No 1 (ON / OFF) pressed.
- **STEP 2:** While the button No 1 is pressed, adjust the engine speed of the electric motor with buttons No 2 & No 3 (UP / DOWN) at the lowest allowed threshold.
- **STEP 3:** Release button No 1 (ON / OFF) and the adjustment is complete. To readjust the lowest threshold the same process must be repeated.

Note: Setting the lowest threshold as well as the remaining settings of the DM-DGL/b rail mounting digital dimmer is fully safe because storing them to a memory (EEPROM) takes place digitally, so there is no concern in case of power failure, irrespective of the duration.



TECHNICAL SPECIFICATIONS

DIMMER	Triac - Digital
FUNCTION	Soft Start
OPERATING VOLTAGE	180 - 230VAC
POWER LINE FREQUENCY	50Hz
LOAD MAX	1000Watt (Maximum number of lamps Dimmable LED)
POWER CONSUMPTION (NO LOAD)	0,8 Watt
ENVIRONMENTAL CONDITIONS	Operating temperature -20 ° C to + 50 ° C Storage temperature -20 ° C to + 60 ° C
WIRE SIZE	Flexible capacity Ø 0.5mm ² to 3.5mm ² Rigid capacity Ø 0.5mm ² to 3.5mm ²
MOUNTING	Dim-rail mounting 35 x 7.5mm (DIN 45277)
FUSE	6,3 A / 230VAC

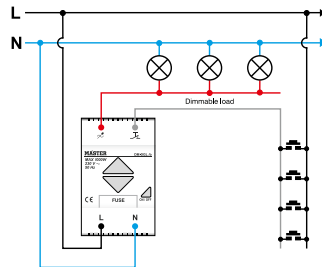
CONTROL LOAD

R	L
Resistive	Inductive
1000W	1000VA
1W	1VA

C / L

CAPACITIVE / INDUCTIVE / FILAMENT			
	Dimmable economy	Dimmable LED	Dimmable Filament
1000VA	1000W	1000W	1000W
1VA	1W	1W	1W

DRAFT OF ELECTRICAL INSTALLATION



Installation instructions

- 1) To prevent fire or electrical shock, the installation must be done by qualified personnel. Any error during installation or wrong use may cause severe accident.
- 2) Install the product according to the draft of electrical installation.
- 3) Do not install different type of loads (Capacitive - Inductive). Especially for LED lamps is recommended to use the same type.

Safe Operating Instructions

- In case of overheating or overload, the available load is automatically reduced.
In order to avoid this situation:
- Reduce the number of connected loads at the output of the product.
- In case of using the product with electronic transformer, they must have indication of compatibility with semiconductor switching devices (dimmer).

The product complies with the requirements of the following EU Directives.

- 2014/30/EE (EMC) • 2014/35/EE (LVD)