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DM-2500 & DM-2500W

DIMMER

Dimmer DM-2500 was designed to cover the needs of professional spaces on basic sections of lighting and ventilation. It is an absolutely safe to use and reliable product as it isconstructed with special integrated circuits and tough plastic so it can function under adverse conditions.

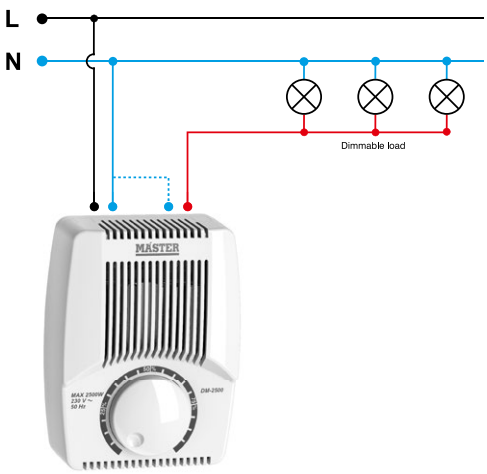
Control: Dimmer DM-2500 is controlled by a a rotary potentiometer which controls the current and the power consumption to the desired level from 1% to 100%. The is also an embedded switch in the potentiometer (press switch) to activate and deactivate the device.

Lower level setting: As it is mentioned at the technical characteristics topic, DM-2500 has the ability to adjust the minimum level of output power so that it can be used to control electric single phase motors, in which it is essential to prevent the dimmer from delivering less power than it is necessary to turn the motor on. This specific procedure is succeeded by adjusting a potentiometer which is found inside the product.

DRAFT OF ELECTRICAL INSTALLATION

- **STEP 1:** Set the main potentiometer at lowest setting.
- **STEP 2:** Meanwhile, remove the mask of the device (DM 2500) and then set the potentiometer which is inside the dimmer (ADJ) to the lowest allowed desired limit.
- **STEP 3:** Repeat the same procedure in order to reset the lowest limit.

Note: a) Highest setting of lowest limit is 50%. b) After the procedure's completion (lowest limit setting) dimmer forbids us to reduce the power of electric load more than the presetting. However it allows us to increase it up to 100%.



TECHNICAL SPECIFICATIONS

DIMMER	Electronic - digital
FUNCTION	Soft Start
OPERATING VOLTAGE	180 - 230VAC
POWER LINE FREQUENCY	50Hz
LOAD MAX	From 1 to 2.500Watt
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 0.5mm² to 3.5mm² Rigid capacity Ø 0.5mm² to 3.5mm²
MOUNTING	Surface Mount
FUSE	15 A / 230VAC (for short-circuit protection)
CONTROL	Rotary Potentiometer (Local)

CONTROL LOAD

R	L	C / L			
RESISTIVE	INDUCTIVE	CAPACITIVE / INDUCTIVE / FILAMENT			
			Dimmable economy	Dimmable LED	Dimmable Filament
2500 W	2500VA	2500VA	2500 W	2500 W	2500 W
1W	1VA	1VA	1W	1W	1W

Installation instructions

1) To prevent fire or electrical shock, the installation must be done by qualified personnel. Any error during installation or wrong use my 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:
  - Go from Leading Edge (pre-setting) to Trailing Edge as described in Function Selection.
  - 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).er).

The product complies with the requirements of the following EU Directives.
• 2014/30/EE (EMC) • 2014/35/EE (LVD)

CE

When the product is placed out of service, it must withdraw according to the national legislation and environmental protection requirements.