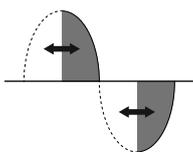


MASTER dimmer 120 V~ 60 Hz for incandescent lamps 40-500 W electronic transformers 40-300 VA, CFL lamps 10-200 W, LED lamps 3-200 W, for LED electronic power supplies, protection fuse, installation on DIN rails (60715 TH35), occupies 4 modules size 17.5 mm. For nautical scope.

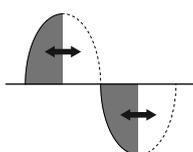
ON/OFF switch and adjustment with two built-in buttons. MOSFET+TRIAC microprocessor technology, works in both LE (Leading Edge) and TE (Trailing Edge) modes. MASTER function, protection fuse. The device receives commands directly from the Busbar and is able to control the load directly. It can also control up to 3 SLAVE dimmers for DIN rails 01986.120.

IMPORTANT: Lamps controllable from a single master or slave dimmer must all be the same. All controllable loads must be declared DIMMERABLE by the manufacturer. Check the type of compatible dimming on the lamp package: LE (Leading Edge) or TE (Trailing Edge). If it is not specified, the lamp can operate in both modes (chosen at the discretion of the installer).

Dimming with Leading Edge mode



Dimming with Trailing Edge mode



CHARACTERISTICS.

- Rated supply voltage TP Busbar: 29 V
 - Rated supply voltage mains: 120 V~, 60 Hz
 - Absorption from TP Busbar: 15 mA
 - Dissipated power: 7.8 W
 - Terminals: **N** neutral, **L** load, **S** synchronization, TP Busbar
 - Protection fuse type F5AH250V
 - Functions that can be accomplished with the dimmer:
 - Switching on, off and dimming
 - Changing absolute brightness
 - Actuating/saving scenarios
 - Enabling "Flash Start" mode for CFL lamps
 - "Ramp" operation
 - Switch-off delay and warning function
 - Phase cutting: LE/TE
 - Local controls:
 - Pressing the  button enables using the local buttons. All messages from the busbar are ignored.
 - Briefly pressing the button  : ON control
 - Briefly pressing the button  : OFF control
 - Pressing and holding down the button  : Increase brightness
 - Pressing and holding down the button  : Decrease brightness
- In normal operation (that is when the commands are sent over the bus) pressing the buttons for the outputs is ignored.
- Protection against short-circuiting when turning on with flashing blow-out indicator.
 - Thermal protection with flashing blow-out indicator.
 - MASTER-SLAVE function: paying attention not to exceed maximum power controllable by each dimmer. A MASTER device can have up to 3 SLAVE dimmers (art. 01986.120) for a maximum total load of 2000 W (VA) corresponding to 500 W/VA max connected to each of the 4 devices.
 - Installation on DIN rails (60715 TH35), occupies 4 modules of 17.5 mm.

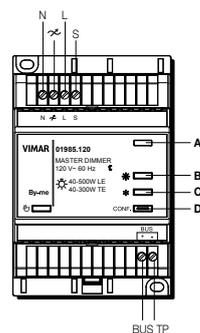
Controllable loads	LE	TE
	40 to 500 W	40 to 300 W
	10 to 100 W (Max 5 lamps)	10 to 200 W (Max 10 lamps)
	3 to 100 W (Max 5 lamps)	3 to 200 W (Max 10 lamps)
Electronic transformers for halogen lamps	40 to 300 W (Max 3 transformers type )	40 to 300 W (Max 5 transformers type )

CONFIGURATION.

FOR THE OPERATIONS OF INSTALLATION AND CONFIGURATION, SEE THE BY-ME SYSTEM INSTRUCTIONS MANUAL ATTACHED TO THE CONTROL PANEL.

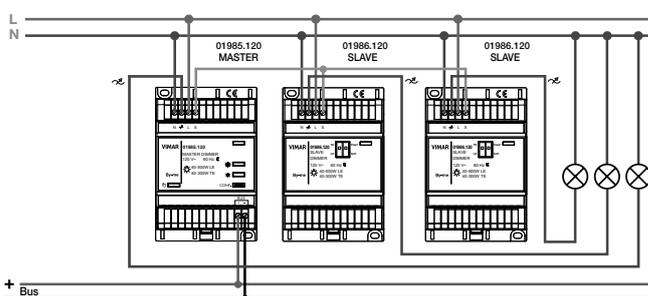
- Functional units: 1; the unit can belong to at most 4 different groups.
- Selecting the functional unit (configuration): during group creation, when the control panel requires pressing the device button:
 - It is recommended to configure the device with the load OFF;
 - Press the CONF button, the red LED will light up;
 - With the red LED on, the control panel will configure the functional unit; at the end of this operation the red LED will go out.

FRONT VIEW



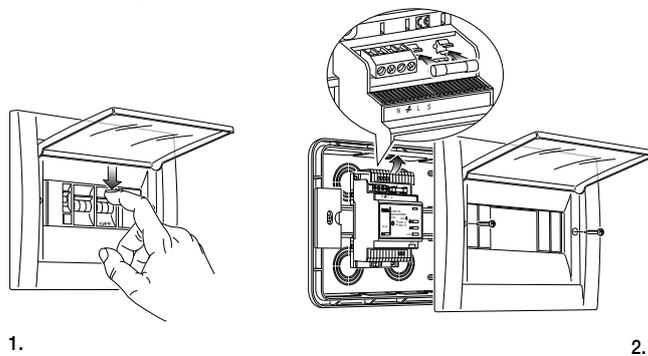
- A: Indicator LED
- B: Switching on and increasing brightness
- C: Switching off and decreasing brightness
- D: LED and configuration button

CONNECTIONS



Maximum length of cables connecting universal MASTER dimmer and universal SLAVE dimmer: 100 m
Connect at least the minimum load required to the universal master dimmer.

CHANGING FUSE



INSTALLATION RULES.

Installation should be carried out in compliance with the current regulations regarding the installation of electrical systems in the country where the products are installed.

- It should be used in places at a temperature of between -5°C and +45°C.
 - The lamps connected to the master or slave must all be the same.
 - Not suitable for controlling motors (e.g. fans, ventilators).
 - The rated power level should never be exceeded.
 - Overloading, power surges and short-circuits may irreparably damage dimmers. Before installation check the circuit carefully and eliminate any of the above causes.
 - The dimmer does not have a mechanical circuit breaker in the main circuit and so is not galvanically separated. The circuit load should be considered always powered.
- For further instructions see the manual enclosed with the control panel.

CONFORMITY TO STANDARDS.

For **MARINE** use, this device has been submitted to the following tests:
IEC 60068-2-52 - Test Kb: Salt mist, cyclic (sodium, chloride solution),
IEC 60068-2-6 - Test Fc: Vibration (sinusoidal)
This device complies with part 15 of the FCC Rules (with the limits for a Class B digital device).
Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.