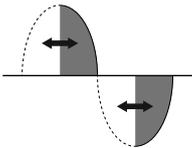


SLAVE dimmer 120 V~ 60 Hz for incandescent lamps 40-500 W electronic transformers 40-300 VA, CFL lamps 10-200 W, LED lamps 3-200 W, control from universal MASTER dimmer with load adapter, protection fuse, installation on DIN rails (60715 TH35), occupies 4 modules size 17.5 mm. For nautical scope.

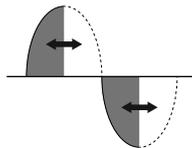
MOSFET+TRIAC microprocessor technology, works in both LE (Leading Edge) and TE (Trailing Edge) modes, equipped with protection fuse, can be installed on DIN rails (60715 TH35). It does not require connecting to the busbar, but the sync signal from a MASTER dimmer for DIN rails 01985.120. No buzzing whatsoever.

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 mains: 120 V~, 60 Hz
- Dissipated power: 7.4 W
- Terminals: **N** neutral, **L** load, **S** synchronization
- Protection fuse type F5AH250V
- SLAVE dimmers need a synchronism signal to function
- Soft start: ensures gradual lighting from zero to maximum or preset lighting levels. This way the life of a lamp is increased by reducing stress on the filament and prevents light flash.
- Flash start: used with compact fluorescent lamps, ensures that the lamps are switched on correctly, reducing any difficulties to a minimum.
- Soft end: slowly brings the load down from on to off.
- Lighting level is saved when turned off (unless there is a blackout);
- Leading Edge mode: used with incandescent lamps, compact fluorescent lamps and LED compatible lamps, as well as type electronic transformers.
- Trailing Edge mode: used with compatible loads such as fluorescent lamps, LED lamps or type electronic transformers.
- Protection against short-circuiting when turning on with flashing blow-out indicator.
- Thermal protection with flashing blow-out indicator.
- 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.

WARNING: When connecting MASTER-SLAVE, the SLAVE must be configured (using the dip-switches) in the same operating mode as the MASTER.

The dimmer 01986.120 can be configured by the two dip switches which are accessible from the front:

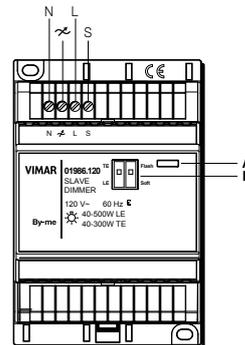
	<p>Setting onto TE</p>
	<p>Setting onto LE</p>

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.

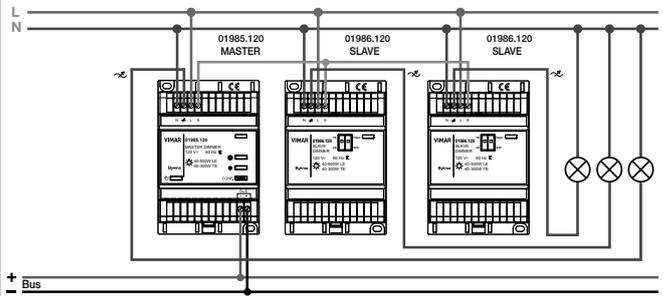
- It should be used in places at a temperature of between -5°C and +45°C.
- The lamps connected to the master or slave must all be the same.
- Not suitable for controlling motors (e.g. fans, ventilators).
- The rated power level should never be exceeded.

FRONT VIEW



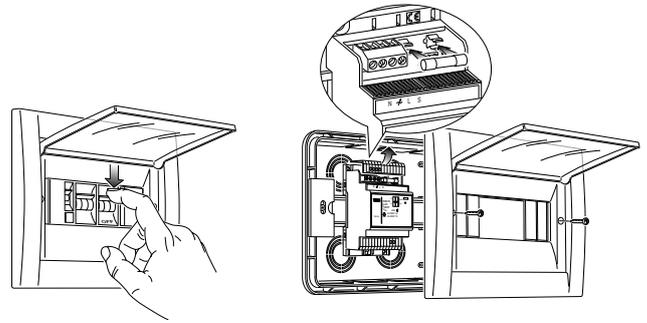
- A: Indicator LED
- B: Dip switch

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



1.

2.

- 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.