

The World Innovation

**TOUCH<sup>®</sup>**



The world's first dimmer that also  
dims some non-dimmable LED and  
energy saving lamps.

# **TECHNICAL DETAILS**

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# TECHNICAL CHARACTERISTICS

## EM25

### EM25 – SWITCH/DIMMER, UNIVERSAL RLC 0-300W 2M ("master")

- universal electronic dimmer for ON/OFF switching and dimming of all dimmable lamps (classical, halogen, LED, CFL, ...) and some no-dimmable lamps
- automatic detection of lamp type and adjustment of operating mode
- reduction of energy consumption
- soft start function extends life of lamps
- controlled by build-in micro switches
- memory function included – memorizes brightness on turn-off
- up to five (5) additional control units EM26 can be connected
- connection with 2-way switch is not possible
- build-in short-circuit, overheating and overload protection
- supply voltage 230V~ 50Hz
- elegant LED illumination, adjustable colour and brightness
- replacement of classical switch is possible at two-wire connection
- full functionality is achieved at three-wire connection
- in accordance with EN 60669-1 and EN 60669-2-1
- screw contacts 1.5mm<sup>2</sup> (max. tightening torque 0.4Nm)



- EM25PW
- EM25SB
- EM25ES
- EM25IW

TOUCH EM25 is microprocessor controlled electronic light dimmer. It serves as switch and dimmer for dimmable and some of no-dimmable lamps. Integrated microprocessor automatically identifies the type of lamp and adjusts the operating mode. It remembers the level of dimming after switching off due to integrated memory function. Soft-start function extends the lamp service life. In button integrated elegant LED illumination enables many different colors and intensity levels. Optionally one can connect of up to 5 additional control tasters EM26 ("slave").

## EM26

### EM26 – CONTROL TASTER 2M ("slave")

- in connection with the EM25 universal dimmer, enables controlling of the light from several (up to five) locations with the same functionality as EM25
- supply voltage 230V~ 50Hz
- in accordance with EN 60669-1 and EN 60669-2-1
- screw contacts 1.5mm<sup>2</sup> (max. tightening torque 0.4Nm)

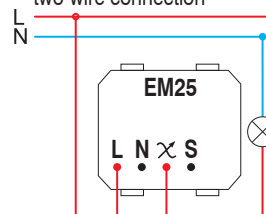


- EM26PW
- EM26SB
- EM26ES
- EM26IW

## DIMMING OPTIONS

- 1 – incandescent lamp
- 2 – halogen lamp
- 4 – electronic transformer
- 5 – classical transformer
- 6 – dimmable energy saving CFL lamp
- 7 – dimmable LED lamp
- 8 – no-dimmable energy saving CFL lamp
- 9 – no-dimmable LED lamp

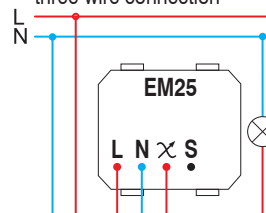
### two-wire connection



- two-wire connection allows dimming of dimmable lamps

	1	2	5	6	7
Min.	40 W	40 W	40 VA	40 VA	40 VA
Max.	300 W	300 W	300 VA	100 VA	100 VA
	(F)	(F)	(F)		

### three-wire connection



- three-wire connection allows dimming of dimmable lamps and some of no-dimmable LED and CFL lamps

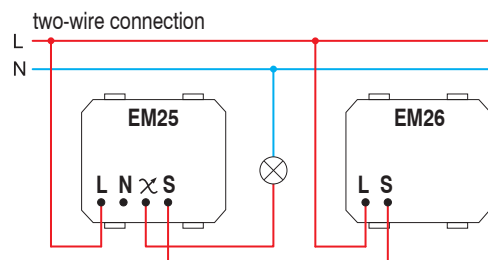
	1	2	4	6	7	8	9
Min.	0 W	0 W	0 VA	0 VA	0 VA	0 VA	0 VA
Max.	300 W	300 W	120 VA	120 VA	120 VA	120 VA	120 VA
	(F)	(F)	(F)			(F)	(F)

## remarks

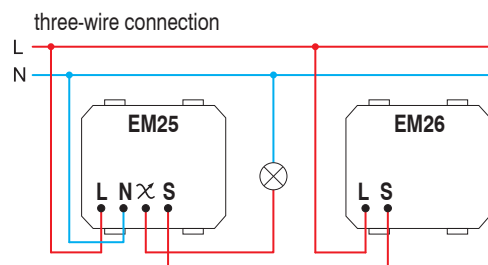
- (F) filter EM27
  - it is recommended to use filter EM27
- all controlled lamps must be the same
- table of loads is valid for lamps with power factor PF>0.5

## CONNECTION

1. Installation may only be carried out by a professionally qualified person.
2. Connect the switch according to the wiring diagram



- two-wire connection allows dimming of dimmable lamps
- in a two-wire connection each additional control unit increases the minimum load by 25W

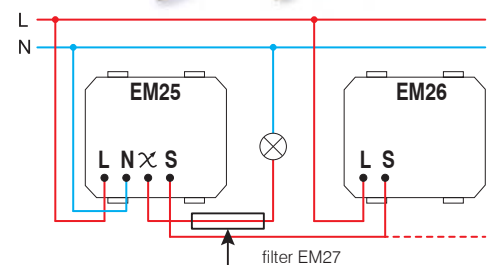


- three-wire connection allows dimming of dimmable lamps and some of no-dimmable LED and CFL lamps

## EM27

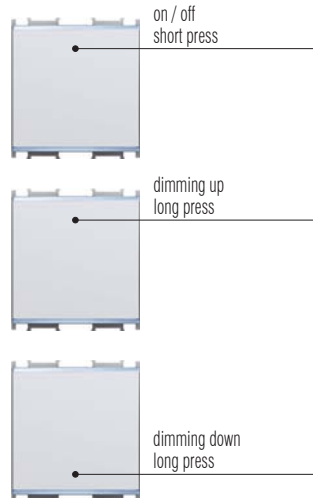
### EM27 – FREQUENCY FILTER

- frequency filter for EM25
- image is symbolic

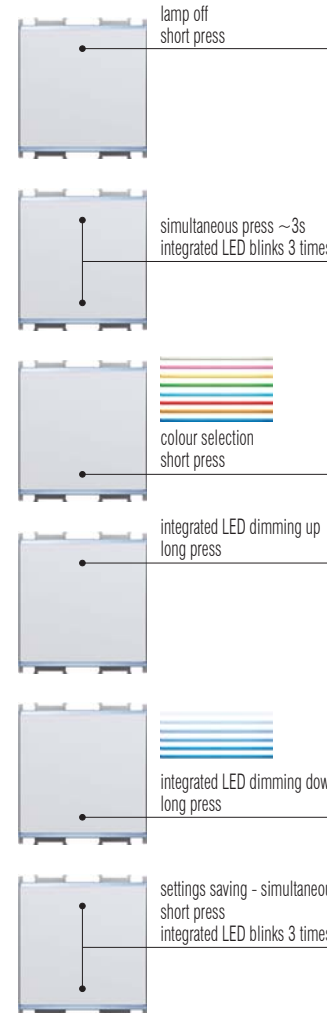


## USAGE AND SETTING INSTRUCTIONS

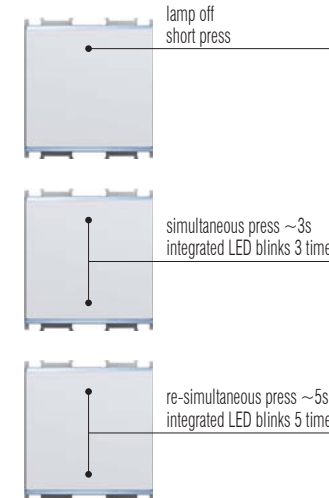
### on / off switching and dimming of lamp



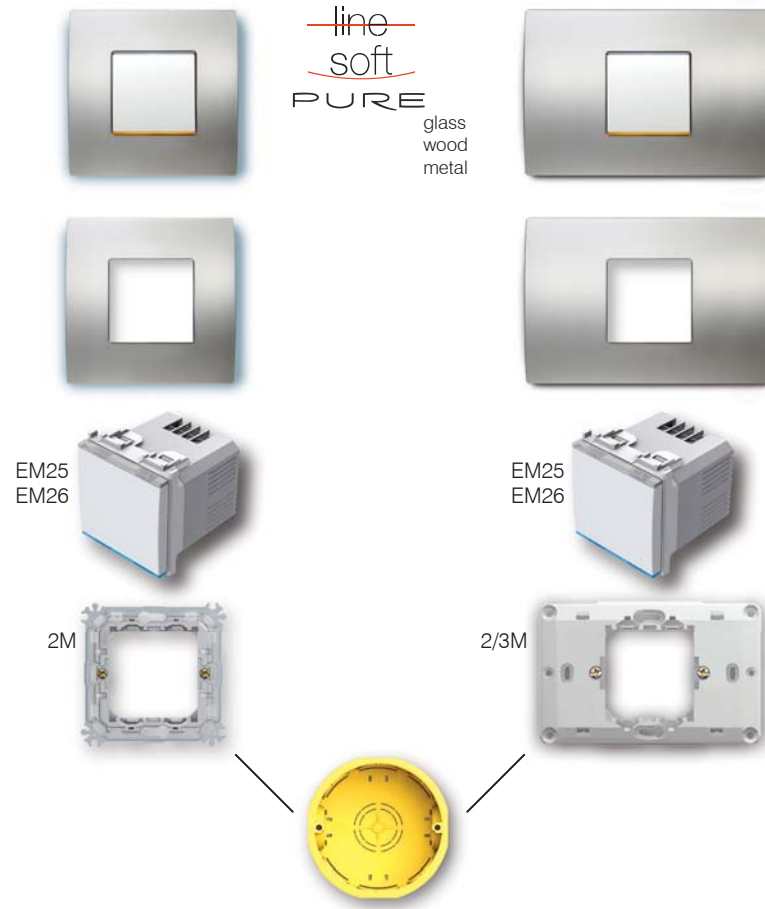
### LED colour selection and intensity level adjustment



### “RESET” function \*



- \* - it is recommended at dimmer installation and lamp replacement
- mandatory when using no-dimmable lamps
- “RESET” function is not possible when using two-wire connection
- only possible on EM25



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