

# REPORT

## 15 Series



**finder**<sup>®</sup>  
SWITCH TO THE FUTURE

### Master & Slave Dimmers

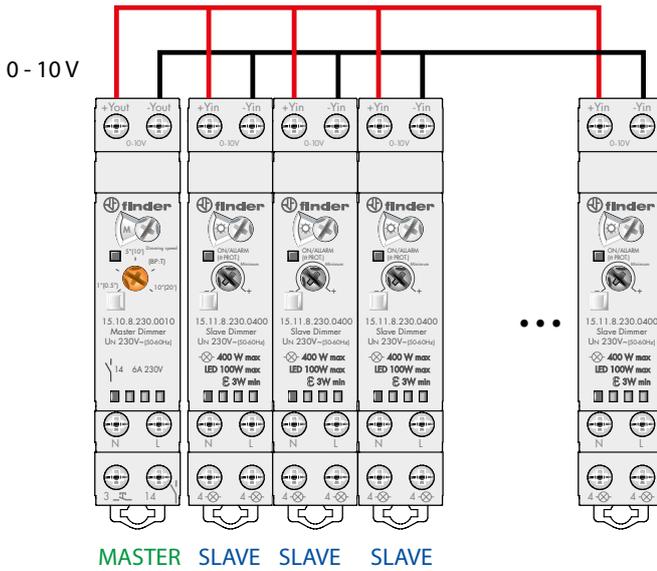
#### Type 15.10 and 15.11

Simple, flexible and powerful solution, thanks to the principle of Master and Slave Dimmers. The Master Dimmer produces a 0 - 10 V signal proportional to the required dimming level which, when connected to the terminals of the Slave Dimmers, will control the voltage applied to the lamps and therefore their brightness.



#### Specification

- Modular 17.5 mm wide, 35 mm rail mounting
- Control signal 0-10 V
- Up to 15 illuminated push buttons can be connected
- "Soft" ON and OFF transitions
- Dimming ramp speed adjustable between 1 and 10 seconds
- 4 selectable functions – including the new function "Staircase with switch-off early warning" where the lights are full-on for the time period but then dim at the end to give an early warning. (Staircase ON time adjustable from 30 seconds to 20 minutes).
- Suitable for halogen lamps, dimmable LED lamps, dimmable CFL lamps, electronic transformers, and electromagnetic transformers



### Principle of operation

The Master controls one or more Slaves, up to a maximum of 32 units, with a 0 - 10 V signal. Each slave can drive a different lamp type, depending on the appropriate methodology, "Leading Edge" or "Trailing Edge". It can regulate halogen lamps, dimmable LED lamps, dimmable CFL lamps, electronic transformers, and electromagnetic transformers.

For example, one Master Dimmer can control a Slave Dimmer driving LED lamps and at the same time a second Slave Dimmer driving halogen lamps and a third driving electronic transformers



### Type 15.10 - Master Dimmer

- 4 selectable functions: Dimming with or without memory, Dimming with memory specifically for CFL, and the new function "Staircase with Switch-off early warning" where the lights are full-on for the time period but then dim at the end to give an early warning
- Up to 15 illuminated push buttons can be connected
- Supply voltage 230 V AC
- Can also control directly electronic transformers requiring at 0 - 10 V / 1 - 10 V input signal



### Type 15.11 - Slave Dimmer

- Slave Dimmers can be controlled by a Master Dimmer or by the 0 - 10 V output from a building management system (BMS), or by rotary 0 - 10 V regulators
- The maximum loads that can be switched are:
  - Halogen lamps: 400 W
  - Toroidal electromagnetic transformers for LV halogen: 400 W
  - Dimmable compact fluorescent (CFL): 100 W
  - Dimmable 230 V LED: 100 W
  - Dimmable electronic transformers for LV LED: 400 W
- Supply voltage 230 V AC