



## SYRA 3-400

Cod.61424

**Syra 3-400** is the module capable of making diagnosis, ON/OFF commands and commutation of the bi-power ballast to control the lamp. It is installed within the lighting body. Power line communication through 1.024 protocol.

**SYRA 3-400** can be coupled with powered lamp from 250 to 400W and can control the following lamp types:

- high pressure sodium
- low pressure sodium ("SBP")
- mercury vapours lamps
- metal iodides lamps

The power of the controlled lamp is defined during the programming phase and can be modified ON-LINE.

**SYRA 3-400** coupled with each lamp plays the following command functions:

- lamp working status control
- full/reduced power command
- on/off lamp command
- ignitor automatic switching off (optional)

**Syra 3** is equipped with a command bi-stable relay able to record the last registered valid status. The lamp must be supplied with a bi-power ballast in order to guarantee the complete functionality.



## Functions

- Detection and signaling of the lamp working status:
  - lamp on and properly working at full power
  - lamp on and properly working at reduced power
  - anomaly lamp with faulty, missing or insufficient capacitor
  - low lamp voltage anomaly
  - interrupted lamp or faulty ignitor anomaly
  - disconnected lamp anomaly (load absence downstream the SYRA 3-400)
  - flashing or exhausting lamp anomaly
  - broken fuse or missing answer by SYRA 3-400
- Command of:
  - Lamp switching on at full power
  - Lamp switching on at reduced power
  - Lamp switching off
  - Ignitor automatic switching off
- Chance to manage the programmed reduction, without cabinet control unit
- Management of up to 1.022 SYRA over a unique line
- Collection and modification of the status and programming parameters directly from the cabinet.
- Installed within the lighting fixture (thermal test suggested)

## Technical features

<b>Working voltage</b> 230 V~ +/- 10%	<b>Absorbed power in stand-by phase</b> 1,5W
<b>Max current provided</b> 4 A	<b>Outdoor user active power</b> 250 min. – 400W max.
<b>Surge protection by varistor and PTC</b> 400 V	<b>Working environment temperature (ta)</b> - 25 ÷ + 65 °C, @ 90 % max U.R.
<b>Temperature limit ( • tc )</b> + 70° C	<b>Box features</b> Natural nylon PA 66 blue colour
<b>Electrical Insulation degree</b> Class II (double insulation)	<b>Protection degree</b> IP65, IP20 with clamps
<b>Dimensions</b> 52 x 98 x 45 mm	<b>Weight</b> 400 gr

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The specifications can be subjected to modifications without notice.

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