12 Series
Time switches

Toolbox

NFC

Astro time switch
Type 12.A4.8.230.0010
with 1 analogue output: 0-10 V or PWM

Ideal for the timed control of artificial lighting of shop windows, advertising billboards and similar, while accounting for the seasonal variation of sunrise and sunset.
Compatible with power supply/ballasts with 0-10 V, PWM inputs or Slave Dimmer Type 15.11.

- Two programming modes: "Smart" mode via smartphone with NFC communication or "Classic" mode via the joystick
- 1 analogue output: 0-10 V or PWM
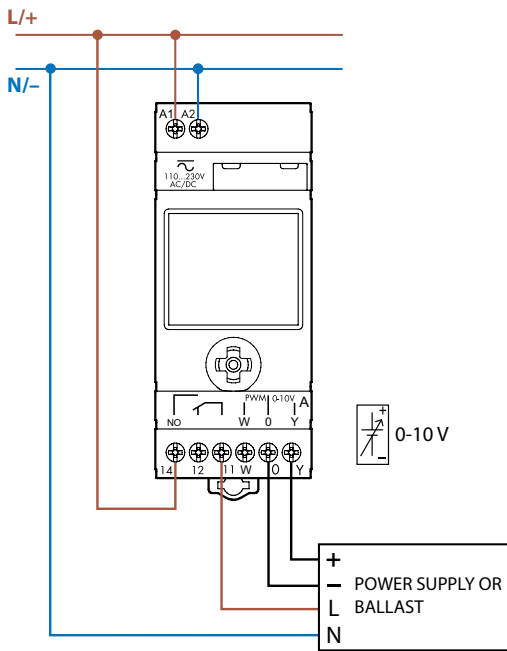- Weekly programming

Weekly Astro time switch
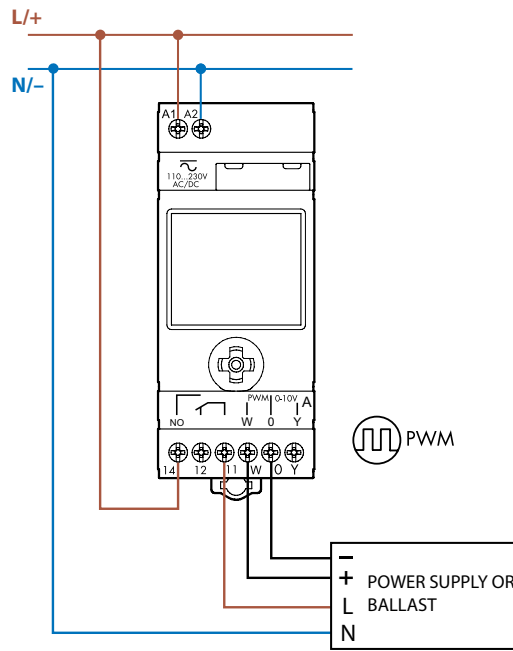**Type 12.A4.8.230.0010**

- Functions: Analogue output level (0-99%) settable against Astro SUNSET, Astro SUNRISE and TIME-CLOCK based times
- Location coordinates easily settable for most European countries through Post Codes
- Offset function: allows programming of switching times offset from the Astro time (by up to 90 min, in 1 min steps)
- Minimum time interval setting - 1 minute
- 50 storable programs
- Summer/Winter European, Australian, Brazilian time
- LCD status indication, set-up and programming
- Lock with a 4-digit PIN
- Internal battery for set-up and programming without supply, easily replaceable from the front
- Auxiliary contact programmed to disconnect the supply to the ballast when the analogue output falls below 10%

Analogue output characteristics
Output signal 0-10 V, 10 mA max
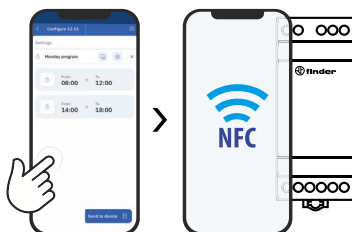Output signal PWM 30 V, 20 mA max

Wiring diagram 0-10 V

Wiring diagram PWM

Two programming modes

"Smart"

Mode via smartphones with NFC communication using Finder Toolbox App

"Classic"

Mode via the joystick

Toolbox

Finder Toolbox for programming
Once the FINDER Toolbox App is downloaded and installed, you can read an existing program, or program your device with maximum flexibility, changing the smallest details and saving your program directly to your smartphone. At this point you simply touch the time switch with the smartphone to transfer the data.