finder
SWITCH TO THE FUTURE

REPORT

**12 Series
Time switches**

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NFC
finder

Toolbox NFC

NFC

NEW

**Now
programmable
with
Apple iPhones**

Daily/weekly time switch Type 12.51
'Astro' time switch Type 12.81

EUROPEAN **PATENT** EUROPEAN

**Setting a time switch has never been easier – with programming through your smartphone.
With NFC technology and "Finder Toolbox NFC" for Android and iOS.**

- Two programming modes: "Smart" mode via smartphone with NFC communication
  or "Classic" mode via the joystick
- Supply voltage: 110…230 V AC/DC
- 1 CO 16 A 250 V AC
- Internal battery for set-up and programming without supply, easily replaceable
- Automatic adjustment for daylight saving
- Wide backlit display

Approvals (according to type)

CE   EHC   UK CA   c UL us

findernet.com

NEW
Now programmable with Apple iPhones

Digital time switch, daily/weekly programming
Type 12.51
Programming is simple and intuitive.

- 30 minutes interval setting

Applications: Suitable for a wide range of applications such as heating, lighting and irrigation...

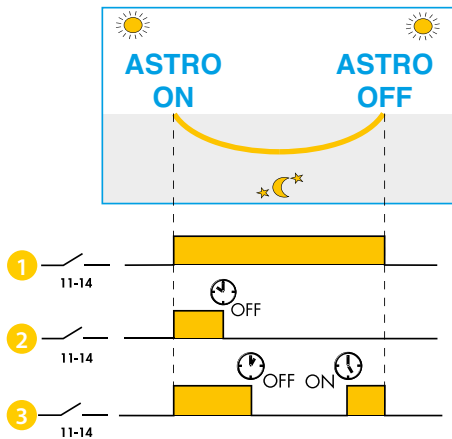### Digital Astro time switch
Type 12.81
- Astro program: calculation of sunrise and sunset times through date, time and location coordinates
- OFF-ON night function
- Location coordinates easily settable for most European countries through post codes

Functions Type 12.81

The Override feature permits the 12.81 three different ways of functioning:

ASTRO ON — **ASTRO OFF**

1 Classic function where the **AstroON** and **AstroOFF** times are determined by the geographic coordinates. These times vary every day.

2 Functions such that the output turns on according to the **AstroON** time and turns off according to the clock off-time $\bigcirc_{OFF}$. Esempio: Application example: shop window lighting on by **AstroON** at sunset and off $\bigcirc_{OFF}$ at 00:30.

3 Functions such that the output turns on according to the **AstroON** time and turns off a ccording to the clock off-time $\bigcirc_{OFF}$, and then turns back on at the clock on-time $\bigcirc_{ON}$ (for the remainder of the ASTRO time period). Application example: company car park lighting, on by **AstroON**, at sunset, off end of the evening shift at 23:00 $\bigcirc_{OFF}$.
On again at the beginning of the morning shift at 5:00 $\bigcirc_{ON}$ and off automatically by **AstroOFF***.

* Depending on the time of year (summer specifically) it may be that the override ON time will fall after the AstroOFF time. In this case, the output switches off at the AstroOFF time and the override ON time is ignored.
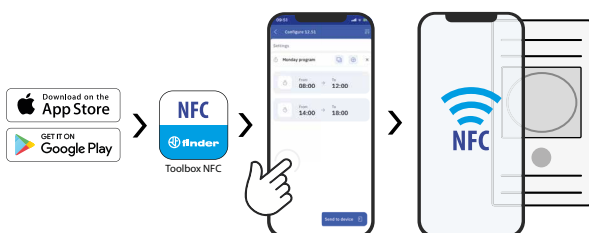
1 11-14

2 11-14 $\bigcirc_{OFF}$

3 11-14 $\bigcirc_{OFF}$ $\bigcirc_{ON}$

Two programming modes

"Smart"

Mode via smartphones with NFC communication using Finder Toolbox App

NFC

12.51.8.230.0000

"Classic"

Mode via the joystick

Download on the App Store · GET IT ON Google Play

NFC finder
Toolbox NFC

Finder Toolbox for programming
Once the App FINDER Toolbox 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.