

# REPORT

## 84 Series



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



Multifunction Digital Timer

### SMARTimer

### Type 84.02

Offering flexibility,  
easy installation and  
high precision timing.

Quick and flexible programming right  
from your smartphone.  
With NFC technology and  
"Finder Toolbox" Android App.

Digital Timer "Two in one": two totally  
independent programmable channels,  
in a single product



Approvals (according to type)



## Features

- Two programming modes: "Smart" mode via smartphone with NFC communication or "Classic" mode via the joystick
- Wide backlit display for easy reading of all information during the programming phase and during normal operation
- Flexibility: it's possible to create new specific functions, mixing the **30 available functions** on each channel
- High precision and possibility of choice in time set-up:
  - Time units; 0.1 seconds, seconds, minutes, hours
  - Set-time to 4 digits, anywhere between 000.1 second and 9999 hours
- Large display allows easy viewing: set time, current time, timing in progress, input command state, output state
- 1 CO (16 A) + 1 CO (16 A) output contacts



**Type 84.02.0.230.0000**

- Nominal voltage: 110...240 V AC/DC (non-polarized)
- Operating range: 90...264 V AC/DC (47/63Hz)

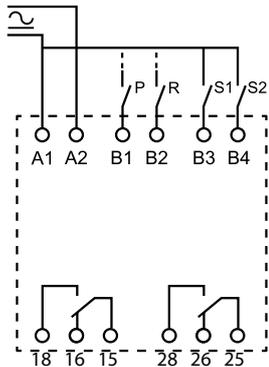


**Type 84.02.0.024.0000**

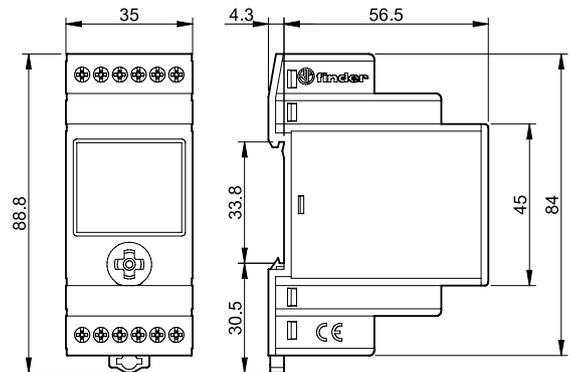
- Nominal voltage: 12...24 V AC/DC (non-polarized)
- Operating range: 10...30 V AC/DC (47/63Hz)
- It's possible to directly connect timer input to proximity sensors (both PNP and NPN)

**Functions**

<b>OFF</b>	Relay OFF
<b>ON</b>	Relay ON
<b>AI</b>	On-delay
<b>DI</b>	Interval
<b>GI</b>	Pulse delayed
<b>LI</b>	Asymmetrical flasher (starting pulse ON)
<b>PI</b>	Asymmetrical flasher (starting pulse OFF)
<b>SW</b>	Symmetrical flasher (starting pulse ON)
<b>SP</b>	Symmetrical flasher (starting pulse OFF)
<b>AE</b>	On-delay with control signal
<b>NEW AC</b>	On-delay with maintained control signal
<b>BE</b>	Off-delay with control signal
<b>DE</b>	Interval with control signal ON
<b>NEW DC</b>	Interval with maintained control signal
<b>EE</b>	Interval with control signal OFF
<b>FE</b>	Interval with control signal ON and OFF
<b>EEa</b>	Interval with control signal OFF (retriggerable)
<b>EEb</b>	Interval with control signal OFF
<b>WD</b>	Watchdog (retriggerable interval with control signal ON)
<b>GE</b>	Pulse delayed with control signal ON
<b>NEW GC</b>	Pulse delayed with maintained control signal
<b>LE</b>	Asymmetrical flasher (starting pulse ON) with control signal
<b>NEW LC</b>	Asymmetrical flasher (starting pulse on) with maintained control signal
<b>PE</b>	Asymmetrical flasher (starting pulse OFF) with control signal
<b>NEW PC</b>	Asymmetrical flasher (starting pulse off) with maintained control signal
<b>NEW CEb</b>	On and off independent delays with control signal
<b>IT</b>	Timing step
<b>SS</b>	Monostable controlled by Signal switch
<b>PS</b>	Monostable controlled by Pause switch
<b>SHp</b>	Shower function (off-delay with control signal and pause signal)



- Two independent Start inputs - one per channel
- One common Reset input (select to apply to either, or both, channels)
- One common Pause input (select to apply to either, or both, channels)
- PIN to protect access to programming session
- Up or Down timing modes
- Setting accuracy-full range:  $\pm 0.05\%$
- Ambient temperature range:  $-20^{\circ} + 50^{\circ}$
- 35 mm rail (EN 60715) mount



FINDER reserves the right to alter characteristics at any time without notice. FINDER assumes no liability for damage to persons or property, caused as a result of the incorrect use or application of its products.

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