SYN 161 d

1610011

EN

> ⚡ **WARNING**
> Danger of death through electric shock or fire!
> · Installation should only be carried out by professional electrician!
> · Disconnect the mains power supply prior to installation and / or disassembly!

General information
· Analogue time switch
· Weekly program
· (1 channel) Shortest switching time 15 min

Technical data

Operating voltage: 230 V~, +10 % / -15 %	
Frequency: 50 Hz	
Power consumption: 1 VA	
Rated impulse voltage: 4 kV	
Contact: wo way switch	
Opening width: < 3 mm (μ)	
Switching capacity: 16 A, 250 V~, cos φ = 1	
4 A, 250 V~, cos φ = 0,6	
Min. switching capacity: 24 V / 100 mA AC	
Incandescent lamp load: 1100 W	
Operating temperature: −20 °C ... +55 °C	
Protection class: II in accordance with EN 60669-1 subject to designated installation	
Protection rating: IP 20 in accordance with EN 60529	
Time accuracy: synchronised with mains	
Pollution degree: 2	
Type: 1 BRTU	
Compact fluorescent tubes: 25 W	
Fluorescent lamps (EB): 100 W	
LED lamps (<2 W): 5 W	
LED lamps (>2 W < 8 W): 15 W	
LED lamps (>8 W): 18 W	

Designated Use

· The time switch can be used for lighting, ventilation, fountains, advertising hoardings etc.
· Only for use in closed, dry rooms
· Installation on DIN top hat rail (in accordance with DIN EN 60715)
· The switching of any external wire is permitted, switching of SELV is not permitted.
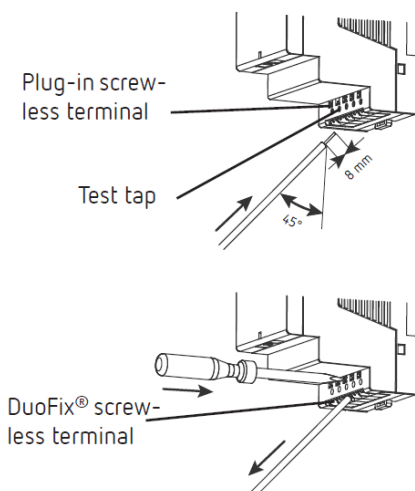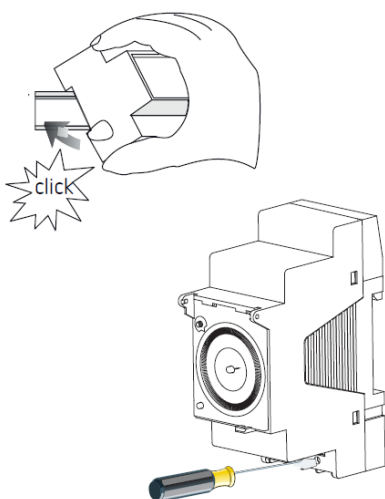
❶ Installation

➢ Install on DIN top hair rails
  (in accordance with EN 60715)
➢ Disconnect power source
➢ Strip cable by 8 mm (max. 9 mm)
➢ Insert cable at 45° in the open terminal

ⓘ 2 cables per terminal is possible

➢ Only with flexible wires: Press screwdriver downwards to open spring terminal
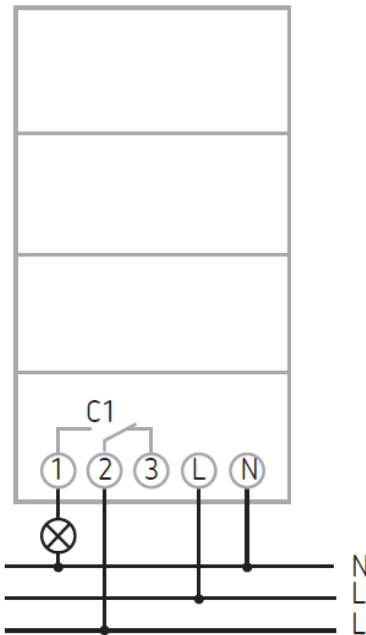
Disconnecting the cable

➢ Use the screwdriver to push the load line connection opener downwards

click

Plug-in screw-less terminal

Test tap
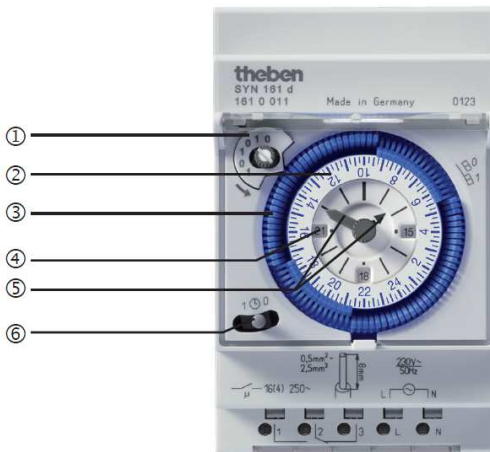
8 mm

45°

❶

DuoFix® screw-less terminal

❷ Connection

➤ Note connection diagram

❸ Description
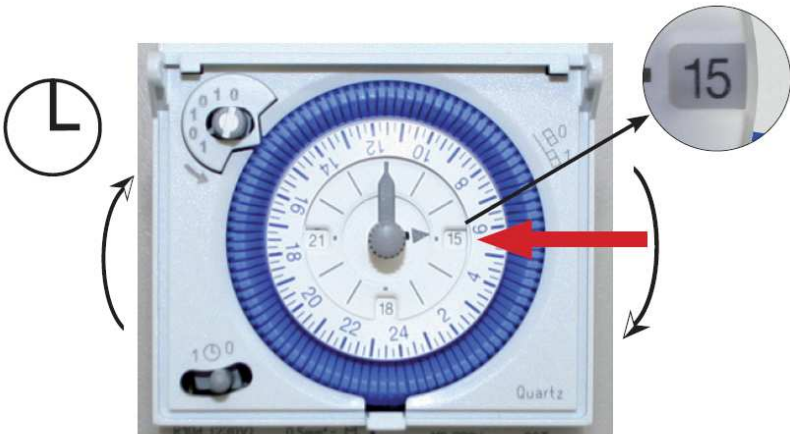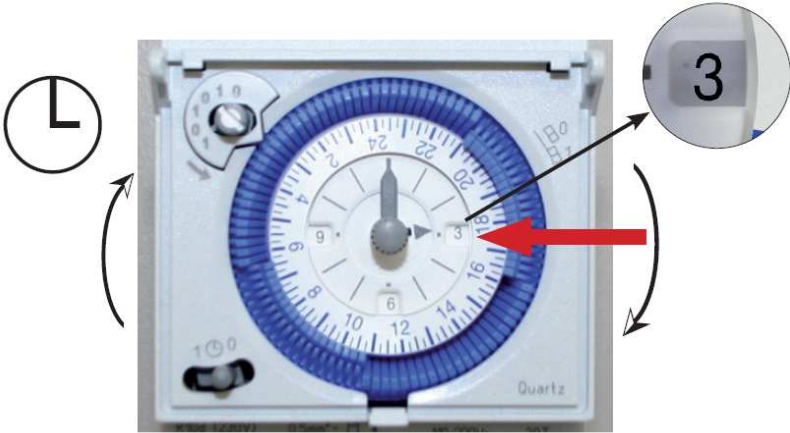
① Switching pre-selection/manual setting

② Program timing disc

③ Switching segments SYN 161 d (1 = 15 min)

④ Morning/afternoon (AM/PM) time display

⑤ Hand for setting time (hours and minutes)
can be adjusted anticlockwise and clockwise;
turn minute hand firmly to left

⑥ Three way switch:
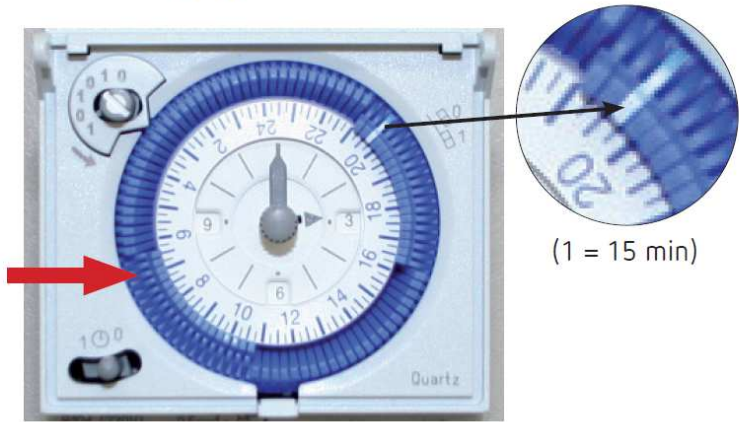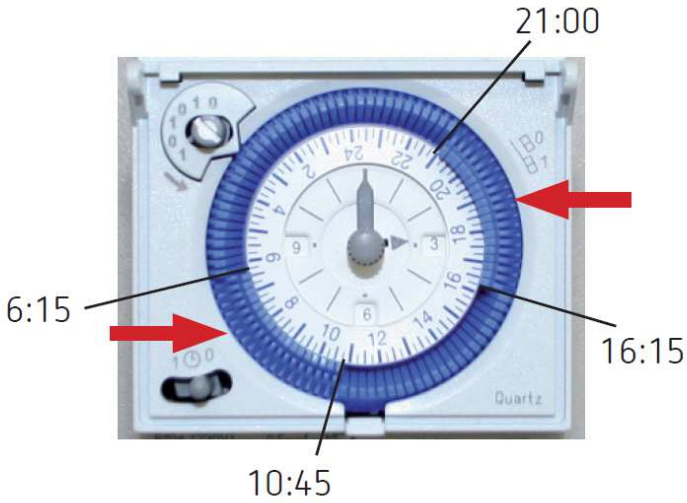Permanent ON – AUTO – Permanent OFF

❶ Set time
- e.g. 3:00 (morning)
- e.g. 15:00 (afternoon)

❶

❷ Set switching times

- e.g. 6:15 – 10:45; 16:15 – 21:00 ON
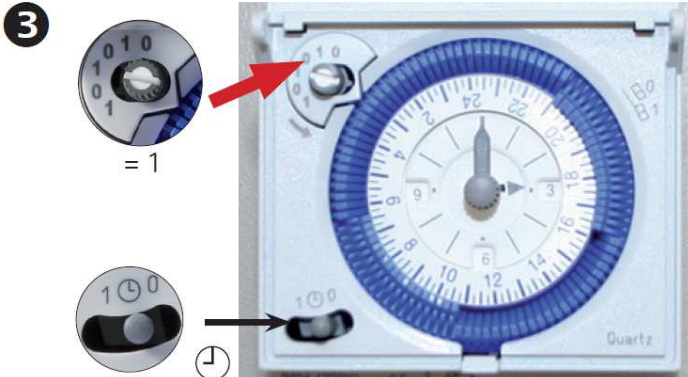

21:00

6:15

16:15

10:45

(1 = 15 min)

❸ Set manual operation / switching pre-selection

· in advance 3:00 ON (= 1)

→ The time switch operates the set switching times, i.e. it returns to program.

❹ Set 1 – ⏱ – 0 permanent switching

→ Program is not operated.

1 = Permanent ON

0 = Permanent OFF