theben

SIMPLEXA

Digital time switches

Less is more

Building Automation since 1921

SIMPLEXA
The decisive plus points
of a device

+ Easy programming of switching time for individual days of the week or set blocks of days
+ Less is more: Easy and logical operation with only four buttons
+ Terminal screws for all screwdrivers (slotted or cross-head)
+ Text-oriented user guidance
+ 6 years power reserve
+ PIN option protects against unauthorised adjustment

SIMPLEXA
Less is more
Easy and logical operation

The SIMPLEXA 601 top LI, 602 top LI, 178 top LI and 178-2 top LI are reliable digital time switches from Theben AG. We are the manufacturer with almost infinite experience with timers and time switches.

The SIMPLEXA shines with simple and logical operation, supported by text-oriented user guidance for easy menu selection. A large screen provides easy to read characters for exact programming of the timer. Extremely high noise immunity ensures reliable installation and programming. A PIN option protects against unauthorised access.

Manual switching for holiday program

Each channel can be separately continuously turned on or off, for example for parties or holidays. You have the choice between automatic and manual switching.

Individual days, weekdays or weekends

The switching times for the weekly program can be practically grouped together in blocks. That saves programming time and memory locations. Individual days, weekdays or weekends can be grouped together in blocks for the same switching times. With block 1–7 for all days of the week, the timer can function as a daily clock.

Watering control

Perfectly maintained grass surfaces are the rule for most sports events today. Time-controlled watering systems ensure that the grass is watered at exactly the right time and with the right amount of water.

AM/PM or 24 hour display options

The clock symbol appears immediately after turn on. The display offers the selection between am/pm or 24 h. Confirm option with OK.

Automatic summer/winter time changeover

The summer/winter time changeover can be set in the menu or turned off if not required. A separate time slot or fixed changeover date can be set in addition to the settings for the EU, GB & IRL, P; Canada, USA, Iran, Israel, New Zealand and Iran.

Ventilation control

Time-controlled ventilation systems provide offices, factories and private buildings with a regular source of fresh air. Ensuring a sufficient supply of fresh air. Office buildings: e.g. in the summer, ventilation in the mornings between 5.00 and 6.00 Factory buildings: Constant ventilation during working hours.

Advertising hoardings and neon signs

The lighting control of company logos, neon signs and information panels will be done automatically. To make advertising hoardings highly visible, they are illuminated from inside or outside in the evening and night. To save energy, advertising panel lighting can be switched off, for example, during early morning between 1 and 4 o'clock.

Display window and facade lighting

Illuminated display windows and facades light up city centers and invite people for shopping. Facade and display window lighting should be switched off at night from 1.00–6.00 to save energy.

Time and light control
Digital time switches, DIN rail, astronomical and weekly program, 2 modules

SIMPLEXA 601 top LI

SIMPLEXA 602 top LI

SIMPLEXA 178 top LI

SIMPLEXA 178-2 top LI

Description

Commnon functions
- Digital time switch with weekly program
- Screw terminals (4 mm²)
- 42 memory locations
- ON-OFF switching times
- Permanent ON/OFF switching
- Automatic summer/winter time changeover
- PIN coding
- Circuit preselection
- 6 years power reserve
- Preprogrammable

SIMPLEXA 601 top LI
- Digital time switch with weekly program
- 1 channel

SIMPLEXA 602 top LI
- Digital time switch with weekly program
- 2 channel

SIMPLEXA 178 top LI
- Astronomical time switch (automatic calculation of sunrise and sunset times for the whole year) with weekly program
- Integrated geocoordinates with locations for calculating sunrise and sunset time
- 1 channel

SIMPLEXA 178-2 top LI
- Astronomical time switch (automatic calculation of sunrise and sunset times for the whole year) with weekly program
- Integrated geocoordinates with locations for calculating sunrise and sunset time
- 2 channel

Product selection

Program	Number of channels	Type	Articel number
Weekly program	1	SIMPLEXA 601 top LI	6010130
	2	SIMPLEXA 602 top LI	6020130
Weekly program, Astronomical program	1	SIMPLEXA 178 top LI	1780130
	2	SIMPLEXA 178-2 top LI	1780230

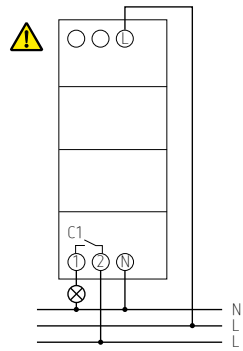
Technical data

	SIMPLEXA 601 top LI	SIMPLEXA 602 top LI	SIMPLEXA 178 top LI	SIMPLEXA 178-2 top LI
Operating voltage	230 V AC			
Frequency	50 – 60 Hz			
Standby output	0,55 W	0,8 W	0,54 W	0,8 W
Width	2 modules			
Type of installation	DIN – rail			
Type of contact	NO contact			
Power reserve	6 years			
Switching capacity at 250 V AC, cos φ = 1	16 A	16 A (50 Hz); 12 A (60 Hz)	16 A	16 A (50 Hz); 12 A (60 Hz)
Switching capacity at 250 V AC, cos φ = 0.6	2 A			
LED lamp < 2 W	30 W			
LED lamp > 2 W	300 W			
Incandescent / halogen lamp load	2600 W			
Compact fluorescent lamps	2600 W			
Min. switching capacity	ca. 10 mA			
Shortest switching time	1 min			
Time accuracy at 25 °C	typically ± 0,5 s / day (quartz)			
Protection rating	IP 20			
Protection class	II in accordance with EN 60730-1			
Ambient temperature	– 30 °C ... +55 °C			

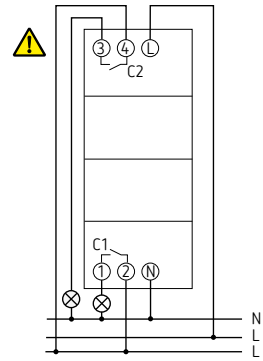
Accessories

- Front panel kit
- Wall mounting kit 35 mm

Connection examples



SIMPLEXA 601 top LI
SIMPLEXA 178 top LI



SIMPLEXA 602 top LI
SIMPLEXA 178-2 top LI

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Subject to technical changes
and improvements.