Innovations

New products

THP1+ 1C

Version | Art. no.
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CCT15833

Digital thermostat with timer with 1 channel for monitoring and regulating the room temperature. The 42 daily/weekly programs can be adjusted to the minute. Saved switching times and device settings can be saved to and read from the optional memory card (CCT15861).

To adjust the setpoint temperature, you can also connect a non-adjustable temperature sensor (15835) or an adjustable temperature sensor (15836).

For installation on DIN rails TH35 according to EN 60715.

Functions:
- 42 memory locations
- Setpoint temperature adjustment of “comfort”, “reduce” and “frost” modes
- Adjustment range for temperature: + 10 °C to + 30 °C
- ON/OFF permanent switching
- Manual switching
- External input: Switch can be connected (activate a mode)
- Holiday program with timed setting
- Wall balance: Setting a temperature offset
- Clear display of programs on LCD display
- Toggling summer time/winter time: automatic, can be deactivated, toggle rules for Europe, USA and other countries are already saved, customised toggle rule or toggling on a fixed date can be selected
- PIN coding

Nominal voltage: AC 230 V, +10% / -15%, 50 – 60 Hz
Standby power: 1.36 W
Number of channels: 1
Contact: Changeover contact
Max. switching capacity: 10 A (at AC 250 V, cos φ=1); 2 A (at AC 250 V, cos φ=0.6)
Min. switching capacity: 10 mA (at AC 230 V); 100 mA (at AC/DC 12 V)
Sensor type: NTC, sensor length: max. 50 m
External inputs: 1
Connections: Screwless terminals for 2 lines each, wire or cord (with or without core end sleeve), 0.5 – 2.5 mm²
Operating elements: 4 push-buttons to navigate menu
Accuracy: ≤ ±0.25 s/day (at +25 °C ambient temperature)
Power reserve: 10 years (lithium cell) at +20 °C
IP protection rating: IP 20
Device width: 2 modules = approx. 36 mm
Accessories: Acti 9 - temperature probe for THP1 and THP2 Art.-no. 15835
Acti 9 - temperature probe for THP1 and THP2 Art.-no. 15836
Acti 9 - memory cartridge for IHP / IC Art.no. CCT15861
Digital time switch with weekly program and 1 channel. To enable radio-controlled time synchronisation via DCF, the time switch needs to be fitted with the relevant antenna. Saved switching times and device settings can be saved to and read from the enclosed memory card.

For installation on DIN rails TH35 according to EN 60715.

Functions:
- 84 memory locations
- Time synchronisation possible with DCF antenna (MTN6606-0070)
- Memory card
- ON/OFF switching times
- Impulse program
- Cycle program
- Switch preselection
- ON/OFF permanent switching
- Manual switching
- External input:
  - Push-button can be connected (external switch preselection, switch-off timer)
  - Switch can be connected (permanent switching ON or OFF)
- Holiday program with timed setting
- Switch-off timer
- Reset option
- Service function for monitoring maintenance intervals
- Integrated operating hours counter
- 2 random programs
- Display lighting (can be switched off)
- Toggling summer time/winter time: automatic, can be deactivated, toggle rules for Europe, USA and other countries are already saved, customised toggle rule or toggling on a fixed date can be selected
- PIN coding

Nominal voltage: AC 230-240 V, +10% / -15%, 50-60 Hz
Standby power: 1.4 W
Number of channels: 1
Contact: Changeover, phase-independent
Max. switching capacity: 16 A (at AC 250 V, cos φ=1); 10 A (at AC 250 V, cos φ=0.6)
Min. switching capacity: 10 mA (at AC 230V); 100 mA (at AC/DC 12 V)
Incandescent lamp load: 2600 W
Halogen lamp load: 2600 W
Fluorescent lamp load: not compensated 1000 VA, series compensated 1000 VA, parallel compensated 730 VA (80 µF)
Compact fluorescent lamps: 22x7 W, 18x11 W, 16x15 W, 16x20 W, 14x23 W
LED < 2 W: 30 W
LED 2-8 W: 100 W
Shortest switching time: 1 s
Data output (DCF antenna): SELV, 19 V
External inputs: 1
Connections: Screwless terminals for 2 lines each, wire or cord (with or without core end sleeve), 0.5 – 2.5 mm²
Operating elements: 4 push-buttons to navigate menu
Accuracy: ±0.25 s/day (25 °C)
Power reserve: 10 years (lithium cell) at +20 °C
IP protection rating: IP 20
Device width: 2 modules = approx. 36 mm
Accessories: DCF77 Antenna V2 MTN6606-0070
Contents: With memory card.
Digital time switch with weekly program and 1 channel.
For installation on DIN rails TH35 according to EN 60715.

Functions:
- 84 memory locations
- Interface for memory card
- ON/OFF switching times
- Impulse program
- Cycle program
- Switch preselection
- ON/OFF permanent switching
- Manual switching
- External input:
  - Push-button can be connected (external switch preselection, switch-off timer)
  - Switch can be connected (permanent switching ON or OFF)
- Holiday program with timed setting
- Switch-off timer
- Reset option
- Service function for monitoring maintenance intervals
- Integrated operating hours counter
- 2 random programs
- Display lighting (can be switched off)
- Toggling summer time/winter time: automatic, can be deactivated, toggle rules for Europe, USA and other countries are already saved, customised toggle rule or toggling on a fixed date can be selected
- PIN coding

Nominal voltage: AC 230-240 V, +10% / -15%, 50-60 Hz
Standby power: 0.4 W
Number of channels: 1
Contact: Make contact, phase-independent
Max. switching capacity: 16 A (at AC 250 V, cos φ=1); 4 A (at AC 250 V, cos φ=0.6)
Incandescent lamp load: 2000 W
Halogen lamp load: 2000 W
Fluorescent lamp load: not compensated 2000 VA, series compensated 2000 VA, parallel compensated 1300 W (140 µF) compact fluorescent lamp load (el. ballast) 300 W
LED < 2 W: 55 W
LED 2-8 W: 180 W
Shortest switching time: 1 s
External inputs: 1
Connections: Screwless terminals for 2 lines each, wire or cord (with or without core end sleeve), 0.5 – 2.5 mm²
Operating elements: 4 push-buttons to navigate menu, 1 reset button
Accuracy: ± 0.25 s/day (25 °C)
Power reserve: 10 years (lithium cell) at +20 °C
IP protection rating: IP 20
Device width: 1 module = approx. 18 mm
Accessories: Acti 9 - memory cartridge for IHP / IC Art.no. CCT15861
Innovations

STD400LED

Version Art. no.
CCTDD20016

For switching and dimming incandescent lamps, HV halogen lamps, LV halogen lamps using
dimmable wound transformers or electronic transformers, LEDs and compact fluorescent
lamps.

(Leading and trailing-edge phases)
The universal dimmer automatically recognises the connected load.
Combinations of inductive and capacitive loads must not be connected.
For installation on DIN rails TH35 according to EN 60715.

Functions:
- Automatic load detection
- Initial brightness can be saved individually
- Adjustable minimum brightness (required for ESL and LEDs)
- Multi-voltage input, e.g. for intercom systems
- Memory function in event of power failure
- Automatic electronic overload and excess temperature switch off
- Dimming switch-on function
- Permanent ON function (test function)
- Soft ON and soft OFF to protect lamps
- No minimum load required

Nominal voltage: AC 230 V, +10% / -15%, 50 Hz
Power consumption: 0.3 W
Standby power: 0.2 W
Incandescent lamp load: 400 W
Halogen lamp load: 400 W
Inductive transformers: 400 W
Electronic transformers: 300 W
Dimmable compact fluorescent lamps (CFL): 80 W
Dimmable LEDs: 60 W
Cable length: max. 100 m
Minimum load: none
Operating elements: Function switch
IP protection rating: IP 20
Device width: 1 module = approx. 18 mm
Innovations

STD400LED+

Version  Art. no.

CCTDD20017

For switching and dimming incandescent lamps, HV halogen lamps, LV halogen lamps using
dimmable wound transformers or electronic transformers, LEDs and compact fluorescent
lamps.

**Leading and trailing-edge phases**
The universal dimmer automatically recognises the connected load.
The enclosed diode modules can be used to implement 2 push-button operation, for example
(push-button 1 = on/dim up, push-button 2 = off/dim down), or to retrieve up to 3 lightscenes.
In addition, you can set a dimming time for different functions.

Combinations of inductive and capacitive loads must not be connected.

For installation on DIN rails TH35 according to EN 60715.

**Functions:**
- Automatic load detection
- Initial brightness can be saved individually
- Adjustable minimum brightness (required for ESL and LEDs)
- Multi-voltage input, e.g. for intercom systems
- Memory function in event of power failure
- Automatic electronic overload and excess temperature switch off
- Dimming switch-on function
- Permanent ON function (test function)
- Soft ON and soft OFF to protect lamps
- No minimum load required
- Comfort setting with wake-up and snooze function (can also be deactivated)
- Adjustable dimming speed (for automatic functions)
- One and two push-button operation for easy operation
- Up to 3 lightscenes can be retrieved via separate input
- Central OFF/ON for max. 10 dimming channels or lightscene for max. 10 devices possible
  with one push-button
- Staircase lighting function with dimming off function in accordance with DIN 18015 – 2
  (resettable, long-term function)
- Can be controlled by push-button or switch, e.g. for combination with presence detectors or
  time switches

**Nominal voltage:** AC 230 V, +10% / -15%, 50 Hz

**Power consumption:** 0.3 W

**Standby power:** 0.2 W

**Incandescent lamp load:** 400 W

**Halogen lamp load:** 400 W

**Inductive transformers:** 400 W

**Electronic transformers:** 300 W

**Dimmable compact fluorescent lamps (CFL):** 80 W

**Dimmable LEDs:** 60 W

**Cable length:** max. 100 m

**Minimum load:** none

**Operating elements:** Function switch, dimming time setting

**IP protection rating:** IP 20

**Device width:** 1 module = approx. 18 mm
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