For more secure, comfortable, and energy-efficient buildings

Time, light, and temperature control
with DIN devices

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Lighting and comfort solutions for buildings and public spaces

Offer your customer an affordable way to save, while increasing security and energy efficiency in residential, commercial, and public buildings.

With DIN timers, time and twilight switches, dimmers, and thermostats, you'll find a solution for every application:

- Public lighting and lighting of monuments
- Lighting of signs and shop windows
- Lighting of industrial-type premises
- Lighting of entrances and passageways
- Lighting and temperature control in any type of building
- Programming of functions such as irrigation, bells, pumps, etc.

Energy savings

Time and twilight switches start and stop various types of electrical loads according to user-set programs. To reduce costs, the user can decide to automatically switch on loads only during low-rate periods.

Programmed switching provides energy savings compared to operations without a time switch, in which the loads are on permanently.

Programmable thermostats deliver the same savings benefit.

Easy installation

All products are easily installed on a DIN rail in a panelboard.

Switch programming can be done directly on the switch or from the programming kit for PC.

Convenient use

DIN programs are defined according to user needs. On most, the automatic operation adapts easily for temporary or permanent operations. On switches, this can be done without going to the panelboard by connecting switches or push-buttons to the product external inputs.

IC Astro 2C SMART

Increased security

Lighting dark areas with standard switches protects against vandalism. Also, by replacing standard switches with programmable time switches, it is possible to simulate presence in residential and commercial buildings.

A complete range of DIN switches, delivering savings and convenience

Staircase Timers

These devices limit lighting operation to only when it is needed. They are ideal for eliminating energy waste in simple applications such as stairways or corridors in public buildings.

Electromechanical
- Adjustable time delay from 1 to 7 mins.
- Output contact current 16A (P. f = 1)
- Mechanical selection of 3 or 4 wire connections

Digital (noiseless)
- Adjustable time delay from 0.5 to 20 mins.
- Output contact current 16A (P. f = 1)
- Automatic selection of 3 or 4 wire connections
- With or without switch-off warning function and impulse relay functions

Time Switches

Time switches accurately and automatically program the operation of heating, lighting, ventilation, access control, bells, roller blinds, etc. They automatically switch On and Off loads according to the program entered by the user. They operate on an hourly, daily, weekly, or yearly cycle. This means the same program is repeated hour after hour, day after day, week after week, or year by year.

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Electromechanical
- Available cycle periods: hourly, daily, weekly, daily+weekly combined
- Min. switching operation: 37.5 s – 2h
- 1 or 2 channels
- Output changeover switch 16A (P. f = 1)

Digital (with LCD screen)
- Available cycle periods: daily, weekly and yearly
- Min. switching operation: 1s / 1min.
- 1, 2 or 4 channels
- Available no. of switching cycles: 56 - 300
- Output changeover switch 16A (P. f = 1)
- Memory key + software progr. kit available

Twilight switches

Twilight switches automatically control lighting, roller blinds, etc., according to brightness and/or the time of the day. They measure light intensity using photo cells that can be installed on a door (switchboard cell) or outside a building (wall-mounted cell).

The Astronomical range operates without cell, according to sunrise and sunset times per geographic position. The range can be customized by using its programmable function.

NEW Analog
- Adjustable brightness: 2 – 100lx or 2 – 2000lx
- Time-delay function
- Incl. brightness sensor
- Output contact current 16A (P. f = 1)

NEW Digital (with LCD screen)
- Adjustable brightness: 2–2100lx, 1 – 99Klx, Astro function (related to preset regional sunrise and sunset times)
- Time-delay function
- Incl. brightness sensor
- 1, or 2 channels
- Output contact current 16A (P. f = 1)
- Coupling with weekly programming possible
- Memory key + software progr. kit available

Dimmers

Dimmers offer the brightness and intensity needed for every situation, improving comfort while delivering savings. They can dim the lighting brightness of LED and several other conventional light loads up to 1000 W.

- 400W RC/RL Universal (w or w/o 4 DI)
- 1000W RL (w or w/o 4 DI)
- 1-10V control unit 1500W (w or w/o 4 DI)
- 400W LED universal dimmers

Thermostats

Thermostats guarantee occupant comfort and deliver energy savings. With different types of probes, thermostats regulate ambient temperatures in buildings of all types, including single and multifamily housing and tertiary or industrial buildings.

NEW
- Analogue device for residential +8°C to +26°C and industrial -40°C to +80°C (3 temp. set points)

- Digital incl. weekly time setting (4 temperature set points available for 42 different switching times)

Technical features

Timers (18 mm)	MIN	MINs	MINp	MINt
Reference	15363	CCT15232	CCT15233	CCT15234
Type	Electromechanical timer	Silent electronic timer	Silent electronic timer with switch-off warning function	Silent electronic timer with switch-off warning and impulse relay functions
Adjustable time delay (min.)	From 1 to 7	From 0.5 to 20	From 0.5 to 20	From 0.5 to 20
Long time delay (h)	-	-	1	1
Output contact current (P. f = 1) (A)	16	16	16	16
Setting by	Dial	Trimpot	Trimpots	Trimpots

Time switches (18 mm)	IHP 1c	IHP +1c	IHH 7j 1c ARM	IH 24h 1c ARM	IH 24h 1c SRM
Reference	CCT15854	CCT15838	15331	15336	15335
Type	Digital	Digital	Electromechanical	Electromechanical	Electromechanical
Number of channels	1	1	1	1	1
Cycle period	Weekly	Weekly	Weekly	Daily	Daily
Number of switching operation	56	84	42 On / 42 Off	48 On / 48 Off	48 On / 48 Off
Output contact current (P. f = 1) (A)	16	16	16	16	16
Programming/setting by	4 keys+LCD / Memory key / KIT LTS PC software	4 keys+LCD / Memory key / KIT LTS PC software	Captive segments	Captive segments	Captive segments

Time switches (45 mm)	IHP 1c/2c NEW	IHP+ SMART 1c/2c NEW	IHP DCF SMART 1c [1] NEW
Reference	CCT15440, or CCT15441 / CCT15442, or CCT15443	CCT15550, or CCT15551 / CCT15553	CCT15858
Type	Digital	Digital	Digital
Number of channels	1	1/2	1
Cycle period	Weekly	Weekly	Weekly
Number of switching operation	56	84	84
Output contact current (P. f = 1) (A)	16	16	16
Programming/setting by	4 keys+LCD	4 keys+LCD / Memory key / KIT LTS PC software	4 keys+LCD / Memory key / KIT LTS PC software

(1) The IHP+ DCF is synchronised on the Frankfurt 's DCF77 radio station via the ANT DCF antenna.

Time switches (54 mm)	IH 60mm 1c SRM	IH 24h 1c SRM/ARM	IH 24h 2c ARM	IH 7j 1c ARM	IH 24h+7j 1+1c ARM
Reference	CCT15338	CCT16364 / CCT15365	15337	CCT15367	15366
Type	Electromechanical	Electromechanical	Electromechanical	MElectromechanical	Electromechanical
Number of channels	1	1	2	1	1+1
Cycle period	Hourly	Daily	Daily	Weekly	Daily+ Weekly
Number of switching operation	48 On / 48 Off	48 On / 48 Off	24 On / 24 Off	42 On / 42 Off	16 On / 16 Off + 7 On / 7 Off
Output contact current (P. f = 1) (A)	10	16	16	16	16
Programming/setting by	Captive segments	Captive segments	Jumpers	Captive segments	Jumpers

Time switches (36 & 72 mm)	ITA 1c	ITA 4c
Reference	CCT15910	CCT15940
Type	Digital	Digital
Number of channels	1	4
Cycle period	Daily, weekly, yearly	Daily, weekly, yearly
Number of switching operation	300	300
Output contact current (P. f = 1) (A)	16	16
Programming/setting by	4 keys+LCD / Memory key / PC software	Keys+LCD / Memory key / PC software

Twilight switches	IC100	IC2000 indoor/outdoor NEW	IC2000P+ NEW	IC100kp+ SMART 1c/2c NEW	IC Astro SMART 1c/2c NEW
Reference	CCT15482	CCT15285 / CCT15369	CCT15483	CCT15494 / CCT15495	CCT15225 / CCT15495
Type	18 mm twilight switch with wall mounted cell	45 mm twilight switch with swithboard or wall mounted cell	45 mm programmable twilight switch with time switch function	36 and 54 mm programmable twilight switch with digital wall mounted cell	45 mm Astronomic programmable twilight switch with time switch function
Adjustable brigtness threshold (lx)	2 to 100	2 to 2000	2 to 50 60 to 300 350 to 2100	1 to 99,000	According to sunrise and sunset times
Time delay (s)	20 (On) 80 (Off)	60	20 to 140	0 to 59.59	-
Number of switching operation	-	-	42	84	84
Output contact current (P. f = 1) (A)	16	16	16	16	16
Programming/setting by	Trimpot	Trimpot	4 keys+LCD	4 keys+LCD / Memory key / KIT LTS PC software	4 keys+LCD / Memory key / KIT LTS PC software

Thermostats	TH4	TH7	THP+1c NEW
Reference	CCT15841	CCT15840	CCT15834
Type	Simple control according to 3 temperature set points	Simple control according to 3 temperature set points	Programmable control 24 hours on 7 days (42 switchings) according to 2 temperature set points
Temperature range (°C)	+8°C to +26°C	-40°C to +80°C	+10°C to +30°C
Number of channels	1	1	1
Output contact current (P. f = 1) (A)	16	16	10
Delivered with	1 ambient probe	-	-
Programming/setting by	Trimpots	Trimpots	4 keys+LCD / Memory key

Dimmers	STD400RC/RL-DIN / STD400RC/RL-SAE	STD400LED / STD400LED+	STD1000RL-DIN / STD1000RL-SAE	SCU10-DIN / SCU10-SAE
Reference	CCTDD20001 / CCTDD20002	CCTDD20016 / CCTDD20017	CCTDD20003 / CCTDD20004	CCTDD20011 / CCTDD20011
Single control				
Scenario control	SAE	LED+	SAE	SAE
230 V incandescent and halogen lamps	40 - 400 W	0 - 400 W	60 - 1000 W	-
Low voltage halogen lamps with electronic transformer	40 - 400 W	0 - 300 W	-	-
Low-voltage halogen lamps with conventional transformer	40 - 400 W	0 - 400 W	60 - 1000 W	-
Low-voltage halogen lamps with toroidal transformer	40 - 300 W	0 - 400 W	-	-
Motors (fans, etc.)	40 - 200 W	-	60 - 600 W	-
Dimmable LED lamps	-	0 - 60 W	-	-
Dimmable fluocompact lamps (CFL)	-	0 - 80 W	-	-
Mono fluorescent tubes with electronic ballast (dia. 26 mm)	-	-	-	50 x 18 W, 40 x 36 W, 25 x 58 W
Duo fluorescent tubes with electronic ballast (dia. 26 mm)	-	-	-	40 x 18 W, 20 x 36 W, 12 x 58 W
Compact fluorescent lamp with electronic ballast	-	-	-	50 max. up to 1500 W

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To learn more about Schneider Electric and DIN Timer, visit www.schneider-electric.com or contact your local Schneider Electric representative.