

IH 7j arm

Operating instructions



Art. no. CCT15367

For your safety

DANGER
Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:

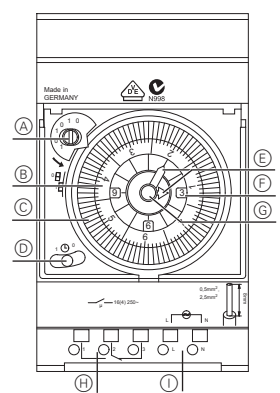
- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology. If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

Getting to know the IH 7j

The IH 7j is a mechanical week time switch that switches connected loads on or off when the set time has been reached. It is installed on a DIN rail (DIN EN 60715).

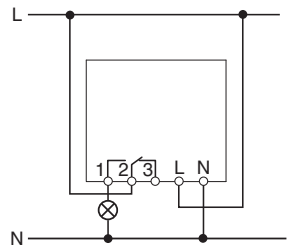
Product details



- (A) Manual switch
- (B) Setting disc
- (C) Switching segments
- (D) Automatic/permanent switch
- (E) Clock hands (hour, minutes)
- (F) Display: Morning (3/6/9), afternoon (15/18/21)
- (G) Rotary knob
- (H) Switch output
- (I) Mains connection

Installing the IH 7j

- 1 Place the IH 7j onto the DIN rail.
- 2 Connect cables:
 - Remove 8 mm (max. 9 mm) of insulation
 - Open the plug-in terminal with a screwdriver and plug in the cable at a 45° angle. (max. 2 cables per plug-in terminal)



- 3 Connect the mains voltage.

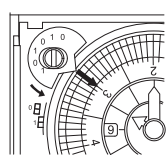
i The IH 7j is equipped with a quartz clock mechanism. The quartz clock mechanism only starts after a few minutes after it has been connected to a power supply. Complete power reserve is reached after 5 days.

Setting the IH 7j

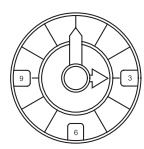
Setting the current day/time

Use the rotary knob to set the day (1-7) and the time (hour, minutes). You can turn the rotary knob clockwise and anti-clockwise.

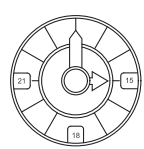
The arrow next to the manual switch shows the current day (e.g. 3 = Wednesday).



To set the time in the morning, 3/6/9 must be visible on the clock face.



To set the time in the afternoon, 15/18/21 must be visible on the clock face.

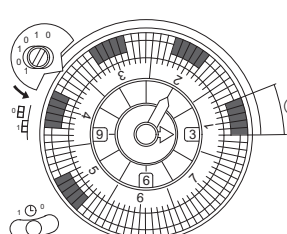


i The clock face changes between morning and afternoon times when the dial has gone past 24 and 12 hours.

Setting the switching time

You can set the switching time using the switching segments. Each switching segment represents a 2-hour time period. The switching segments can be pushed in or out, for example, by using your index finger. The setting disc shows the switching period (< +/- 30 minutes).

- Switching segment out Load switched off
- Switching segment in Load switched on



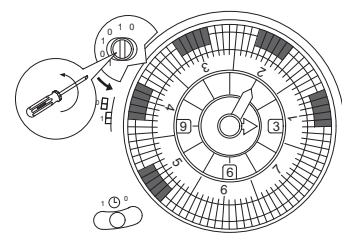
Example times:
 (A) Monday - Friday
 08:00 - 18:00

Operating the IH 7j

Operating the manual switch

You can switch the load on or off in advance as long as the time switch is on automatic mode.

- 1 Turn the manual switch one position anti-clockwise. The current status is reversed and stays unchanged for the next switching.



Operating the automatic/permanent switch

With the automatic/permanent switch, you can switch the load permanently on or off or permanently set it to automatic mode.

- Activating permanent ON: Set the switch to "1". The load is switched on permanently. The set switching times are deactivated.
- Activating permanent OFF: Set the switch to "0". The load is switched off permanently. The set switching times are deactivated.
- Activating automatic mode: Set the switch to "clock". The set switching times remain activated. The load is switched on or off when the set switching time has been reached.

i For permanent ON or permanent OFF, the set switching times are deactivated.

Technical data

Nominal voltage:	AC 110 - 230 V, 50 - 60 Hz
Nominal current:	16 A, cos φ = 1 4 A, cos φ = 0.6
Incandescent lamps:	AC 230 V, max. 1100 W
Halogen lamps:	AC 230 V, max. 1000 W
Fluorescent tubes:	AC 230 V, max. 600 VA
Fluorescent lamps with electronic ballast:	2 x 40 W (12 μF), parallel-compensated
Compact fluorescent lamps with electronic ballast:	25 W
LED lamps:	< 2 W: 20 W > 2 W: 180 W
Power consumption:	≈0.5 W
Ambient temperature:	-20 °C to +55 °C
Connecting terminals:	2 x 0.5 - max. 2.5 mm ² , fixed and flexible wires
Power reserve:	150 h (230 V), 75 h (110 V)
Accuracy:	≤ ±1 s/day at +20°C
Mode of operation:	Device of 1 BSTU type in accordance with EN 60730-1
Degree of pollution:	2
Rated impulse voltage:	4000 V
Protection class:	II per EN 60730-1 when installed correctly
Type of protection:	IP 20 in accordance with EN 60529

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If you have technical questions, please contact the Customer Care Centre in your country.
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