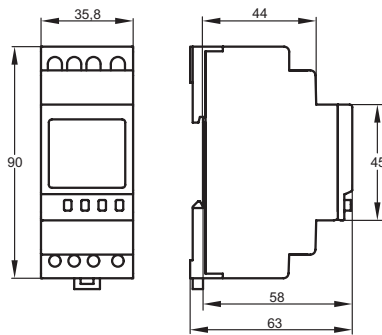


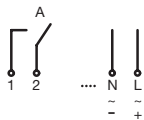
- 1 channel
- Daily and weekly program
- 30 memory locations
- Minimum interval 1 min
- Switching capacity 16 A
- Permanent by date-mode (holiday function)
- Permanently ON or OFF with manual switch (Perm ON/OFF)
- Manual override
- Automatic sorting of switching times on readout
- Unrestricted block programming of days
- Fully automatic daylight saving time (European, North American or Australian standard adjustable)
- Elapsed time and pulse counter for each channel
- Pulse function: Automated switch OFF (pulse length 00:01 up to 59:59 mm:ss). For use with switching times
- Security by PIN-Coding

Highlights

- Text based Menu and self-explanatory symbols
- Display with a large area to provide two text lines
- Easy handling. Quick and intuitive programmable time switch
- Can be programmed with supply disconnected (6 years battery-reserve)
- Unlimited program security by E²-PROM



170 410 pro (1 channel)



Overview time switch functions

	Switching time	Front-key/ Channel-key External input
ON/OFF	✓	
Permanent	✓	
Pulse	✓	
Timer		
Cycle		
Astro		
Permanent by date	✓	
Yearly program		

Programmable time switch 170 410 pro for DIN-rail mounting

Technical data	
Supply Voltage	230 V, 50–60 Hz
Power consumption	approx. 1.5 VA
Channel (potential-free)	Normally open, contact gap < 3 mm (μ)
Contact material	AgCdO
Switching capacity	16 A / 250 V~ at cosφ=1
Filament Lamp	1,000 W
Halogen Lamp	1,000 W
Fluorescent Lamp uncompensated	500 VA
Fluorescent Lamp series compensated	500 VA
Fluorescent Lamp parallel compensated	300 VA
Fluorescent Lamp double switch.	500 VA
Mercury Discharge Lamp uncompensated	2 x 125 W, 1 x 250 W
Mercury Discharge Lamp parallel compensated	3 x 50 W (7 μF), 2 x 125 W (10 μF), 1 x 250 W (18 μF)
Sodium Discharge Lamp uncompensated	1 x 150 W
Compact Fluorescent Lamp convent. lamp ballast	500 VA
Compact Fluorescent Lamp electron. lamp ballast	2 x electronic lamp ballast, power independent
Switching functions	ON, OFF, pulse
Pulse length Pulse function (switching time)	00:01 up to 59:59 mm:ss
Memory locations	30
Minimum interval	1 min
Time base	Quartz crystal
Power back-up (at 20°C)	approx. 6 years (depends on the Lithium-battery life)
Program security	unlimited (E ² -PROM)
Quartz cryst. accuracy (at 20°C)	≤ ±1 sec/day
Display	high resolution LCD (visible area 7.5 cm ²)
Permitted ambient temperature	-10°...+55°C
Enclosure	self-extinguishing thermoplastic
Dimensions	45 x 35 x 58 mm
Distribution board mounting	35 mm DIN-rail (DIN EN 50022)
Type of connection	Screw terminals (pull-up type)
Type of protection	IP 20 to DIN EN 60529
Class of protection	II when installed according to regulations

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Type/Order No.	Channels	Time Base
170 410 pro	1	Quartz