GRÄSSLIN
by Intermatic

thermio™ eco - thermio™ eco C7SB
Item No 04.08.0006.1 / EAN Code 4010940045098

PRODUCT DESCRIPTION

The electronic economy 7 timer C7SB is an excellent choice if you want to implement a variety of applications such as hot water processing outside costintensive peak times. Programmable over 7 days and with up to 28 ON/OFF programmes per week, it controls a variety of applications safely and thereby helps save energy and money. The timer features an additional boost function that enables needbasedoperation for 1 or 2 hours.

► Convenient, automatic change from summer to winter time
► Convenient and simple use through weekly programming with up to 28 ON/OFF programmes per week
► Utilisation of economy 7 rates for devices such as immersion heaters and storage heater up to 13 A
► Individual programs are saved and continue to be available even after a power failure
► Simple, quick and flexible installation thanks to simple electrical connections, external cable feed-through and integrated strain relief
► Convenient and simple reading of information thanks to the back-lit display, even in low-light conditions
► 2 selectable Boost periods allow for rapid and needs-based operating times of 1 or 2 Hours that temporarily override the Programs

APPLICATIONS

► Electric radiators and heating elements
► Oil fired radiators
► Electric towel rails
► Panel heaters
► Fan heaters
► Lighting (not discharge lamps)
► Single immersion heater to 3.000 watts

TECHNICAL DATA

Electrical Data	
Supply voltage	AC 230 V ± 10 % 50 Hz
Battery life	40 days (depending on switching frequency)
Curret output	Switch contact, not potential-free
Current capacity - ohmic load	13 A (3.000 W)
Current capacity - inductive load cos.phi 0.6	5 A / 250 V AC
Load halogen lamp	750 W (AC)
Load fluorescent lamps	500 W
Load compact fluorescent lamp	100 W
Load LED lamp	200 W
Rated impulse withstand voltage (Uimp)	4 kV
Power consumption	1 VA
Accuracy	± 1,5 Second /Day at 20 °C
Power reserve	40 days
	Programs saved in EEPROM
Fuse	BS1362 (1” x 1/4”) changeable

Power connection	
Device	Screw terminal with wire protection max. 2.5 mm²

Operating specifications	
Operating mode	Reset function
	Advanced mode
	Boost mode
Manual switch	Boost time
	ON/OFF (double-pole switch)
	ON/OFF/AUTO
	Advance
Channels	1
Program	7 days
	5-2 days

	1-7 Days
	Boost
	Daily program (ON/OFF)
	Weekly program (ON/OFF)
	Individual programming (max. 4 ON/OFF switching times)

Display and format

Resolution	Day time 1 minute
Display Update	every 30 seconds
Display lighting	Light blue
Time format	24-hour format
Shortest switching time	ON/OFF 1 minute
	Program time 1 minute
	Boost 1, 2, 3 Hours
Summer/winter time	Automatic summer/winter time change
Clock	Digital
Status indicator	Operation mode
	Switch position display

Operating conditions

Humidity (operating)	20 % ... 60 % relative humidity, non-condensing
Humidity (storage)	20 % ... 60 % relative humidity, non-condensing
Temperature (operation)	±0 °C ... +40 °C
Temperature (storage)	-5 °C ... +55 °C

General specifications

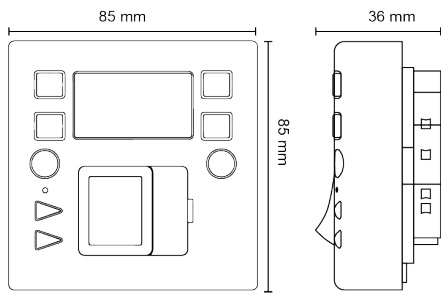|	
Colour	White
Weight	158 g
Material	Thermoplastics, self-extinguishing & high-temperature resistant
Dimension	85 x 85 x 38 mm
Mounting	Flush mounting BS 4662
	On-wall BS 5733

Compliance with standards

Protection type	IP20
Protection class	II, according to corresponding mounting
Pollution degree	2
Approval mark	CE
Standards and guidelines	EN 60730-1, Mode of operation and additional properties: Type 1.B

Scope of delivery

Housing	strain relief clamps
	Assembly screws
	Screw cover

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DIMENSIONAL DRAWINGS

85 mm

85 mm

36 mm

CIRCUIT DIAGRAMS

L IN

N IN

N OUT

L OUT

Technical specifications and other information are subject to change without notice. Images can vary from original

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