



EAN code
 SHT-4: 8595188144759
 SHT-6G: 8595188182751
 SHT-6G + GPSR-1: 8595188182393
 SHT-7: 8595188135498

Technical parameters	SHT-4	SHT-6G	SHT-7
Power supply terminals:	A1 - A2		
Supply voltage:	AC 230 V (50-60 Hz)	AC 100-240V DC 140-340V (AC 50-60 Hz)	AC 230 V (50-60 Hz)
Consumption (max.):	14VA/2 W	5 VA/2 W	14VA/2 W
Supply voltage tolerance:	-15 %; +10 %		
Backup battery type:	CR 2032 (3V)		

Output			
Number of contacts:	2x changeover (AgSnO ₂)	1x changeover (AgSnO ₂)	2x changeover (AgSnO ₂)
Rated current:	16 A/AC1		
Switching power:	4000 VA/AC1, 384 W/DC		
Peak current:	30 A/< 3 s		
Switching voltage:	250V AC/24V DC		
Dissipated power (max.):	2.4 W	1.2 W	2.4 W
Mechanical life:	30.000.000 ops.		
Electrical life (AC1):	100.000 ops.		

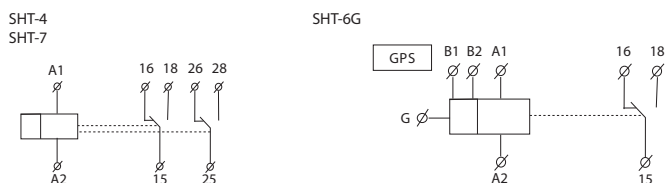
Timing circuit	
Accuracy:	max. ±1 s per day, at 23°C (73 °F)*
Minimum switching interval:	1 min
Program data storage period:	min. 10 year

Programming circuit			
Number of memory locations:	100		
Program:	daily, weekly, yearly		
ASTRO program:	YES	x	x
NFC interface:	x	x	YES (android)

Other information			
Operating temperature:	-20 to +55 °C (-4 °F to 131 °F)		
Storage temperature:	-30 to +70 °C (-22 °F to 158 °F)		
Dielectric strength:	4 kV (power supply - output)		
	3.3 kV (power supply - receiver)		
Operating position:	any		
Mounting:	DIN rail EN 60715		
Protection degree (from front panel):	IP40		
Protection degree (terminals):	IP10	IP20	IP10
Overtoltage category:	III.		
Polution degree:	2		
Max. cable size (mm ²):	max. 2x 2.5, 1x 4 /	max. 1x 2.5, 2x 1.5 /	max. 2x 2.5, 1x 4 /
with sleeve (mm ²):	max. 1x 2.5, 2x 1.5	max. 1x 1.5	max. 1x 2.5, 2x 1.5
Dimensions:	90 x 35 x 64 mm		
Weight (without battery):	128 g (4.5 oz.)	114 g (4 oz.)	125 g (4.4 oz.)
Standards:	EN 61812-1		

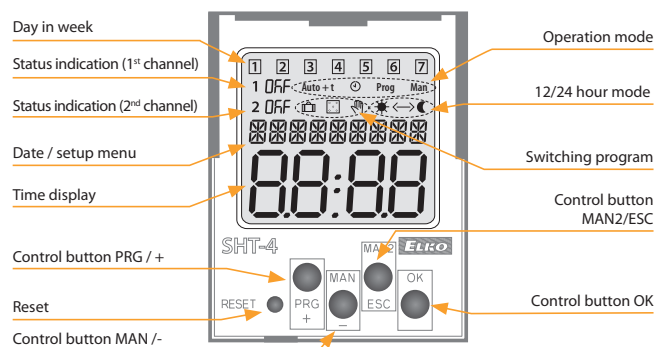
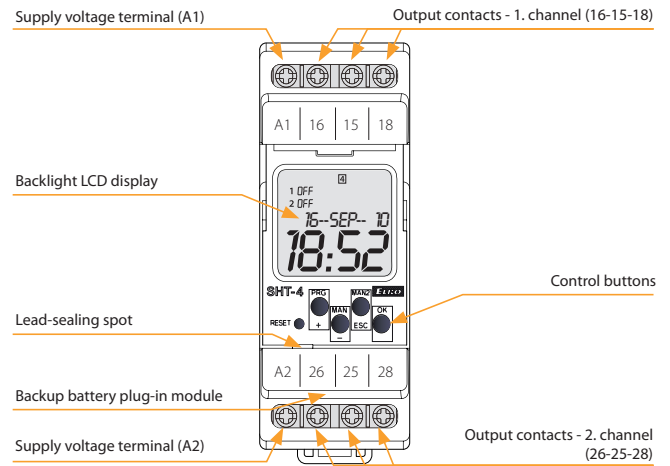
* SHT-6G: not applicable in case of synchronization by GPSR-1 receiver

Symbol

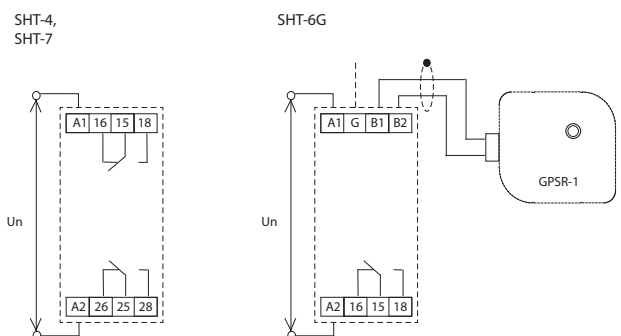


- **SHT-4:** Used to control different loads according to sunrise and sunset time based on geographical coordinates and set time in the time switch.
 - preset coordinates for European cities incl. manual setting option
 - 2-channel design, each channel is adjustable individually.
 - stirrup clamps
- **SHT-6G:** Used to control different loads depending on the set time, which can be synchronized using the GPS signal. Thanks to this, the time switch becomes accurate to the hundredth and the running accuracy is not affected.
 - 1-channel design
 - block terminals
- **SHT-7:** Used to control different loads depending on the set time, including the possibility of simple setup using a smartphone thanks to NFC transmission support.
 - easy to transfer settings to multiple devices conveniently in the app and vice versa, simple transfer of settings from the time switch to the app on your phone.
 - 2-channel design, each channel is adjustable individually.
 - stirrup clamps
- Sealable transparent front panel cover, easy to operate with 4 buttons.
- Set time backup – up to 3 years using a replaceable battery.
- Operating hour counter
- Automatic transition of winter/summer time (with the option to turn it off).

Description



Wiring



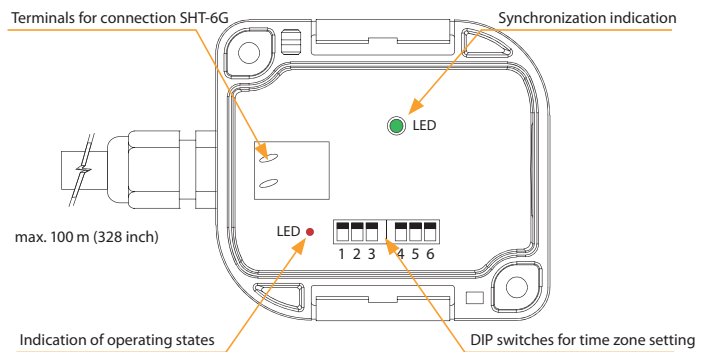


- GPS module, designed for synchronization of time switch SHT-6G.
- Two-wire connection using screwless terminals - polarity is ignored!
- Connection cable length up to 100m.
- Optical indication of module functional states.
- It broadcasts time information in DCF77 format.
- Setting the time zone using DIP switches (UTC-12 to UTC+14).
- Possibility to choose one of 40 time zones - see manual
- **The receiver is only compatible with the new version SHT-6G (EAN: 8595188182751) and firmware 2.37 or higher**

EAN code
GPSR-1: 8595188182379

Technical parameters		GPSR-1
Connection:	two-wire, polarity is ignored	
Max. voltage on the wires:	DC 10 V	
Other information		
Operating temperature:	-20 to +55 °C (-4 °F to 131 °F)	
Storage temperature:	-30 to +70 °C (-22 °F to 158 °F)	
Protection degree:	IP65	
Terminals:	screwless	
Cross-section of terminals:	cable: 0.2 - 0.75 mm ² / cable + core: 0.25 - 0.34 mm ²	
Ø of connecting cable:	max. 6.5 mm	
Dimensions:	98 x 62 x 34 mm	
Weight:	96 g	
Reception area:	whole world	

Description



Function

GPSR-1 is used to receive and decode the GPS signal and then convert it to DCF77 format. The correct operation of the receiver is indicated by flashing of the green LED in the interval of 1s.

Working position - options



- It must be mounted so that there are no obstacles between the GPS receiver and the direct line of reception (trees, roofs of buildings, etc.)
- In the immediate vicinity of the GPS receiver (about 1m) transformers, contactor relays, fluorescent lamps, etc., must not be situated
- Do not install GPS receivers near metal objects, el. cables, etc.