



Combined time switches

Memo KNX is a digital electronic switch for time management of electrical utilities. It allows time programming (daily, weekly or yearly) or astronomical.

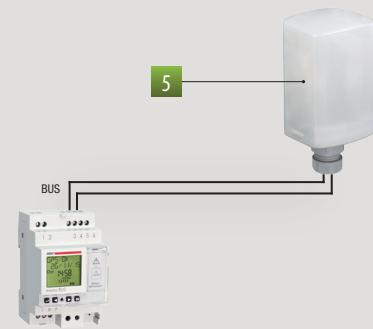
Memo KNX can control 9 different channels on bus KNX. The programming of channel 1 is also replicated on the relay located on memo KNX. Each channel can be associated with a different programming (time or astronomical).

Memo KNX also offers the possibility of connecting via BUS a GPS module, GEO-1 (available as an accessory), which allows the acquisition of the time and the position through the satellite system, ensuring greater accuracy over time. The backup battery allows you to keep the settings even in case of black-out and can be replaced through the cover (sealable).



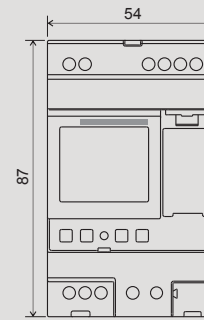
MEMO KNX

- 1 Wide backlit display for the viewing of the date, time and channels status
- 2 Sealable cover
- 3 Cover for battery replacement
- 4 Terminals for the connection of the GPS module
- 5 GEO-1 GPS additional module (code VE747200)

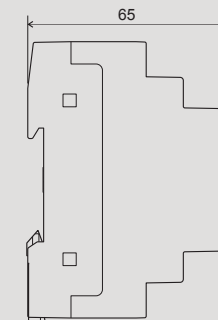


DIMENSIONS (mm)

Front view

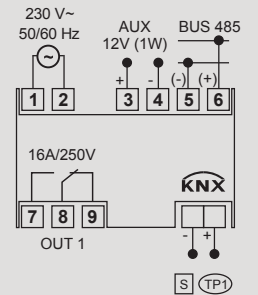


Side view



CONNECTION DIAGRAM

Diagram



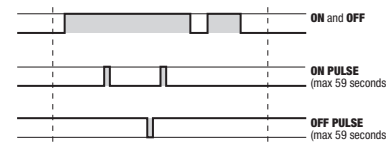
TIME AND MANAGEMENT

TECHNICAL INFORMATION

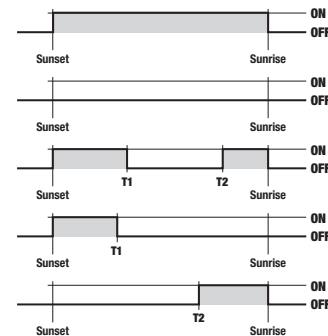
KNX SWITCHES WITH TIME OR ASTRONOMICAL PROGRAMMING

- Time programming (daily, weekly, monthly or yearly) or astronomical programming
- Available programs: on/off, on pulse, off pulse, on holiday, off holiday, random, night (astronomical)
- 9 Different Channels on BUS KNX (the behavior of the first channel is replicated on the on-board relay)
- Maximum number of storable programs: 450 (900 events) allocable on 9 channels
- Possibility to automatically capture date, time and geographical position connecting the GEO-1 module
- Channels status manual override (temporary or permanent)
- Possibility to copy the programs of a channel on other channels
- Possibility to copy all programs saved on another memo BUS connected via BUS-485 (network with several memo KNX connected)
- Menu in five languages: Italian, English, Spanish, German, French
- Automatic time update (DST)
- Keyboard lock with password
- Backup battery (CR 14250 type) replaceable without removing the device

Time programs



Astronomical programs



- T1 and T2 can be:
1. a precise hour
 2. a delay respect to the sunset (T1) or in advance respect to the sunrise (T2)
 3. a pulse of 59 seconds maximum duration at sunset (T1) or at sunrise (T2)

GENERAL CHARACTERISTICS

Power supply	V AC	115 ÷ 230 (-15% ÷ +10%)
Frequency	Hz	50 / 60
Power consumption	VA (W)	7 (2.6)
Number of channels		9
Output (channel 1)		1 relay in monostable change-over
Capacity a 250 V AC	A	16 (10)
	Fluorescent lamps (at 240V)	W 600
	Incandescent lamps (at 240V)	W 1500
	Halogen lamps (at 240V)	W 1500
Battery life		5 years (lithium battery CR 14250)
Charge reserve (for battery replacement)		1 minute

Switchings in case of power failure	no
Programming resolution	1 minute
Storable programs	450
Operating accuracy (without GEO-1)	± 0.5 seconds/day at 25°C
Operating temperature	°C 0 ÷ +50
Storage temperature	°C -10 ÷ +70
Container	3 DIN modules
Degree of protection	IP20

REFERENCE STANDARDS

Compliance with Community Directives: 2014/35 EU (LVD) - 2014/30 EU (EMCD) is declared with reference to the following standards: EN 60730-2-7

Code	Model	Description	N. channels
VE747300	memo KNX	KNX Switch with time/astronomical programming	9

Energy Conservation Solutions Pty Ltd

Exclusive Distributor for VEMER in Australia
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