Digital Time Switches

Galax

Applications

Going from the pre-programmed switching of lighting (car park, advertising signs, public roads, etc.) over pre-programmed switching of heating equipment (home and work environment, water heating, etc.), to the pre-programmed switching of motors for pumps and fans and even to random presence simulation.

Function

Pre-programmed switching of all kinds of electrical devices.

Features

Very easy programming, with quasi unlimited possibilities compared to the analogue time switches. Devices with daily, weekly and yearly event pro-gramming possibilities are available in 1, 2 and 4 channel execution.
All devices have a shortest switching time of one minute, some of them even one second, and are all internally quartz-synchronized, some of them with the possibility of being DCF77-synchronized. On some devices, the summer/winter time change is fully automatic. Devices with block-programming, holiday, random and impulse-function are available. Manual On or Off override is possible at all times and all devices are sealable.

ASTRO timers are specially designe for lighting applications. Only the longitude and latitude need to be entered for precice automatic determination of the times for sunrise and sunset.
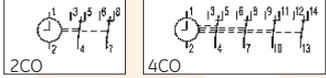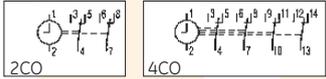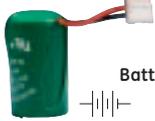
Standards

BS EN-60730-1, BS EN-60730-2-7, VDE 0633

Performance

	Galax
Contacts	
Contact	Voltage-free changeover
Rated switching capacity	
- Resistive load	16A/250V
- Inductive load (cos φ = 0.6)	8A/250V
- Incandescent lamps	1000W
DC switching capacity	On request
Shortest switching time	depending on type: 1min. or 1s.
Screws	Pozidriv 1
Terminal capacity: min	1x0.5mm²
max.	1mod-2,5mm²; 2mod-4mm²; 6mod-6mm²
Clockwork	
Operating voltage	230V 50-60Hz
Own consumption at 230V	5VA
Running reserve (at 20° C)	3 years / 6 mod: 6 years
Battery	all Lithium
Operating temperature range	-25...+55°C
Accuracy	±2.5s./day at 20°C / 6 modules device: ±1s./day at 20°C
Sealable and unloosable cover	yes
Screws	Pozidriv 1
Terminal capacity: min	1x0.5mm²
max.	1mod-2,5mm²; 2mod-4mm²; 6mod-6mm²

Galax - Digital time switches

QUARTZ SYNCHRONISED	Program	No. of channels	Switching capacity	Operating voltage	Running reserve	Shortest switch time	No. of prog. steps	No. of mod.	Cat. No	Ref. No.	Pack.
Day program-mable	1x24h	1CO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 21 D 50 LS1	**686531**	1
Day/Week programmable	7x24h	1CO	16A/250V	220...240V	3yr	1min.	50	1	GLX Q 11 W 50 LS1	**686530**	1
	7x24h	1CO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 21 W 50 LS1	**686532**	1
	7x24h	2CO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 22 W 50 LS1	**686533**	1
	7x24h	1CO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 21 W 50C LS1	**686534**	1
	7x24h	1CO+1NO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 22 W 50C LS1	**686535**	1

- Automatic summer time / winter time changeover
- Manual switch: FIX ON / FIX OFF
- Free weekday block formation
- Non-volatile memory (EEPROM)
- Pulse and cycle function (only for 686534 and 686535)
- Random switching (only for 686534 and 686535)

	Program	No. of channels	Switching capacity	Operating voltage	Running reserve	Shortest switch time	No. of prog. steps	No. of mod.	Cat. No	Ref. No.	Pack.
ASTRO/Week programmable (1)	-	1CO	16A/250V	220...240V	3yr	-	-	2	GLX Q 21 ASTRO LS1	**680070**	1
	7x24h	2CO	16A/250V	220...240V	3yr	1min.	50 (1)	2	GLX Q 22 ASTRO LS1	**680073**	1

- ASTRO function (GLX Q 22 ASTRO also with weekly program)
- Automatic summer time / winter time changeover
- Manual switch: FIX ON / FIX OFF
- Free weekday block formation
- Non-volatile memory (EEPROM)

	Program	No. of channels	Switching capacity	Operating voltage	Running reserve	Shortest switch time	No. of prog. steps	No. of mod.	Cat. No	Ref. No.	Pack.
Day/Week programmable	7x24x3600	2CO	16A/250V	220...240V	6yr	1s.	400	6	GLX Q 62 W 400	**666192**	1
	7x24x3600	4CO	16A/250V	220...240V	6yr	1s.	400	6	GLX Q 64 W 400	**666193**	1

- Daily, weekly programmes
- 400 memory spaces
- Automatic summer time / winter time changeover
- Manual switch: FIX ON / FIX OFF
- Free weekday block formation
- Non-volatile memory (EEPROM)
- Pulse and cycle function
- PC-supported program creation

2CO   4CO

	Program	No. of channels	Switching capacity	Operating voltage	Running reserve	Shortest switch time	No. of prog. steps	No. of mod.	Cat. No	Ref. No.	Pack.
Day/Week/Year programmable	365x24x3600	2CO	16A/250V	220...240V	6yr	1s.	400	6	GLX Q 62 Y 400	**666194**	1
	365x24x3600	4CO	16A/250V	220...240V	6yr	1s.	400	6	GLX Q 64 Y 400	**666195**	1

- Daily, weekly and annual programmes
- 400 memory spaces
- Automatic summer time / winter time changeover
- Manual switch: FIX ON / FIX OFF
- Free weekday block formation
- Non-volatile memory (EEPROM)
- Pulse and cycle function
- PC-supported program creation
- Date-dependent switching programs
- DCF-77 antenna (to be ordered separately)

2CO   4CO

Accessories

		No. of mod.	Cat. No.	Ref. No.	Pack.
Battery	For 6 module devices	-	GLX BAT	**666180**	1
DCF-77 antenna	For year programmable time switches (6 module)	-	GLX DCF	**666181**	1
Programming tools	For 6 module devices	-	GLX PRG	**666182**	1
Surface mounting set		1	SMS 1	**666100**	1
		3	SMS 3	**666101**	1
		6	SMS 6	**666102**	1

(1) For second channel

Galax

A
B
C
D
E
F
G
H
I
X