



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.

Standards

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

Features

Very easy programming, with quasi unlimited possibilities compared to the analogue time switches. Devices with daily, weekly and yearly event programming 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.







Performance

	Galax 1, 2, 4 CO
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	1x0.5mm ²
max.	1mod-2.5mm ² ; 2mod-4mm ² ; 6mod-6mm ²
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	1x0.5mm ²
max.	1mod-2.5mm ² ; 2mod-4mm ² ; 6mod-6mm ²

More technical data ● website
Dimensions ● pg D.46



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 programmable	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 ⁽²⁾	686532	1
		7x24h	2CO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 22 W 50 LS1 ⁽²⁾	686533	1
		7x24h	1CO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 21 W 50C LS1 ⁽²⁾	686534	1
		7x24h	1CO+1NO	16A/250V	220...240V	3yr	1min.	50	2	GLX Q 22 W 50C LS1 ⁽²⁾	686535	1
	ASTRO/Week programmable (1)	-	1CO	16A/250V	220...240V	3yr	-	-	2	GLX Q 21 ASTRO LS1 ⁽²⁾	680070	1
		7x24h	2CO	16A/250V	220...240V	3yr	1min.	50 ⁽¹⁾	2	GLX Q 22 ASTRO LS1 ⁽²⁾	680073	1
	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
	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
												

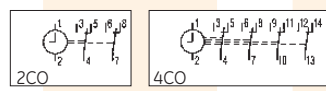
- Automatic summer time / winter time changeover
- Manual switch: FIX ON / FIX OFF
- Free weekday block formation
- Non-volatile memory (EEPROM)
- Pulse and cycle function (only for 686534 and 686535)
- Random switching (only for 686534 and 686535)

- 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)

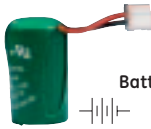



- Daily, weekly programmes
- 400 memory spaces
- Automatic summer time / winter time changeover
- Manual switch: FIX ON / FIX OFF
- Free weekday block formation
- Non-volatile memory (EEPROM)
- Pulse and cycle function
- PC-supported program creation



- 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)



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
 (2) Language set (codes LS1) valable for: German, English, French, Spanish, Italian, Portuguese, Czech, Dutch
 Language set (codes LS2) valable for: English, Swedish, Norwegian, Danish, Polish, Hungarian
 On request

New



Galax
A
B
C
D
E
F
G
X

Time Switches

72 X 72 Classic and 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.

Features

Very easy programming by means of mechanical switches or digital buttons. Devices with daily and weekly event programming possibilities. Analogue devices have a shortest switching time of 15 minutes and digital device has 1 minute.

Function

Pre-programmed switching of all kind of electrical devices.

Performance

	Weekly timers		Daily timers		Daily/weekly timer
Code	666176	666175	666178	666177	666179
Type	CLS 72Q41W	CLS72S41W	CLS72Q41D	CLS72S41D	GLX72Q41DW
Running reserve	150 h	-	150 h	-	3 yr.
Shortest switch time	2 h	2 h	15 min	15 min	1 min
Modules	4	4	4	4	4
Nominal current	16A/250V	16A/250V	16A/250V	16A/250V	16A/250V
Accuracy	<2.5 s/day	<2.5 s/day	<2.5 s/day	<2.5 s/day	<2.5 s/day
Number of channels	1CO	1CO	1CO	1CO	1CO
Operating voltage	220-240VAC/50-60Hz	220-240VAC/50-60Hz	220-240VAC/50-60Hz	220-240VAC/50-60Hz	220-240VAC/50-60Hz
Fix on/off auto	yes	yes	yes	yes	yes
Flush mounting	yes	yes	yes	yes	yes
Surface mounting	yes	yes	yes	yes	yes
DIN-rail mounting	yes	yes	yes	yes	yes
Number of memory position	-	-	-	-	50

More technical data ● website
 Dimensions ● pg D.46



72 X 72 Classic - Analogue time switches

	Program	No. of channels	Nominal current	Operating voltage	Running reserve	Shortest switch time	Fix on/off auto	No. of mod.	Cat. No.	Ref. No.	Pack.
Day program	1x24	1CO	16A/250V	220...240 VAC	-	15 min	yes	4	CLS72S41D	666177	1
	1x24	1CO	16A/250V	220...240 VAC	150 h	15 min	yes	4	CLS72Q41D	666178	1
Week program	7x24	1CO	16A/250V	220...240 VAC	-	2 h	yes	4	CLS72S41W	666175	1
	7x24	1CO	16A/250V	220...240 VAC	150 h	2 h	yes	4	CLS72Q41W	666176	1



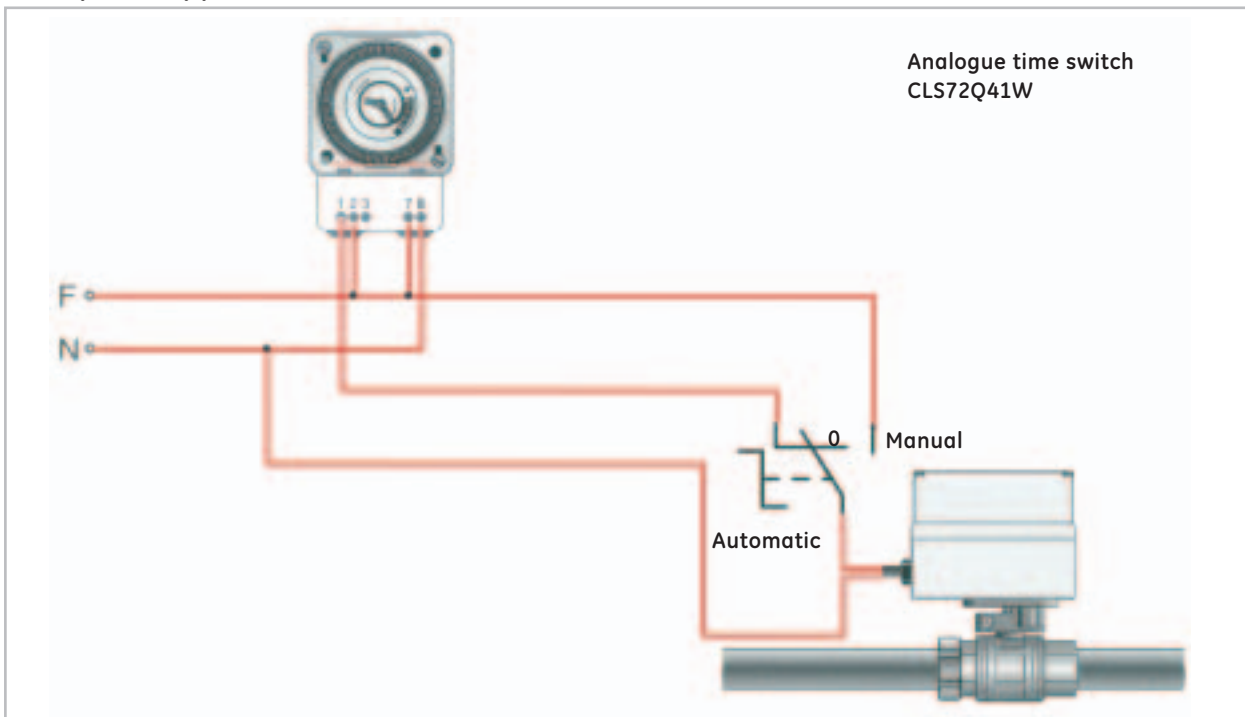
72 X 72 Galax - Digital time switches

	Program	No. of channels	Nominal current	Operating voltage	Running reserve	Shortest switch time	Fix on/off auto	No. of mod.	Cat. No.	Ref. No.	Pack.
Day-Week program	1x24/7x24	1CO	16A/250 V	220 240VAC	3 yr.	1 min	yes	4	GLX72Q41DW	666179	1

- Easy to use
 - Text programming in different languages (D, GB, F, E, I, P, Cz, NL)
 - Summer/winter time change is fully automatic
 - Switching capacity for inductive load 8A/250V

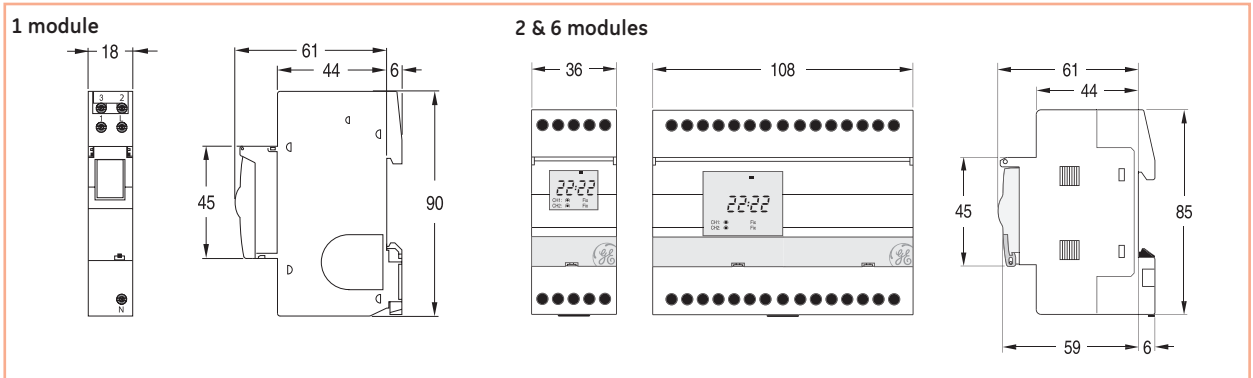


Example of application



Dimensional drawings

Digital time switches - Galax



Comfort functions

A

B

C

D

E

F

G

X

Time Switches - 72x72 Classic and Galax

