Comfort functions

Analogue Time Switches

Classic

Features

Very easy programming by means of mechanical switches on a dial, but with restricted possibilities compared to the digital time switches. Both devices with 1 dial for programming of daily or weekly events, as well as devices with 2 dials for 2 channel daily events and combined daily and weekly events are available in 2 versions: quartz and net synchronised, with and without running reserve respectively. Manual override Off or On is possible at all times. All devices are sealable.

Function

Pre-programmed switching of all kinds of electrical devices.

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, waterheating, etc.), to the pre-programmed switching of motors for pumps and fans and even to presence simulation.

Standards

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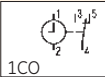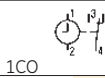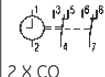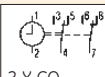
Performance

	Plastic switches				Metallic switches	
	Net synchronised 1 module	Net synchronised 3&6 modules	**Quartz synchronised 1 module**	Quartz synchronised 3&6 modules	**Net synchronised 3 modules**	Quartz synchronised
Contacts						
Contact	Voltage free NO	Voltage free CO	Voltage free NO	Voltage free CO	Voltage free CO	Voltage free CO
Fix on, Fix off, Auto switch	Not fix off	yes	Not fix off	yes	yes	yes
Rated switching capacity						
- Resistive load	16A/250V	16A/250V	16A/250V	16A/250V	16A/250V	16A/250V
- Inductive load (cos φ = 0.6)	4A/250V	4A/250V	4A/250V	4A/250V	4A/250V	2A/250V
- Incandescent lamps	1000W	1350W	1000W	1350W	1350W	1350W
Shortest switching time day-program	30min.	30min.	30min.	30min.	15min.	15min.
Shortest switching time week-program	-	3h	-	3h	2h	2h
Screws	Pozidriv 1	Pozidriv 1	Pozidriv 1	Pozidriv 1	Pozidriv 1	Pozidriv 1
Terminal capacity: min	1x0.5mm²	1x0.5mm²	1x0.5mm²	1x0.5mm²	1x0.5mm²	1x0.5mm²
max	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²
Clockwork						
Operating voltage	220 - 240V 50Hz	220 - 240V 50Hz	230V - 130VDC	230V - 130VDC	230V 50Hz	230V 50/60Hz
Own consumption at 230V	1VA	1VA	1VA	1VA	1VA	1VA
Running reserve	-	-	150h	150h	-	300h
Battery charging time	-	-	70h	70h	-	72h
Operating temperature range	-20...+55°C	-20...+55°C	-20...+55°C	-20...+55°C	-20...+55°C	-20...+55°C
Accuracy	net synchronised	net synchronised	±2.5s./day at 20°C	±2.5s./day at 20°C	±2.5s./day at 20°C	±2.5s./day at 20°C
Sealable	yes	yes	yes	yes	yes	yes
Screws	Pozidriv 1	Pozidriv 1	Pozidriv 1	Pozidriv 1	Pozidriv 1	Pozidriv 1
Terminal capacity: min	1x0.5mm²	1x0.5mm²	1x0.5mm²	1x0.5mm²	1x0.5mm²	1x0.5mm²
max	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²	1x6 or 2x2.5mm²

Classic - Analogue time switches

NET SYNCHRONISED	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 programmable	1x24x2	1NO	16A/250V	220 ... 240V 50Hz	-	30min.	Not "OFF"	1	CLS S 11 D	**666111**	1
	1x24x2	1CO	16A/250V	220 ... 240V 50Hz	-	30min.	yes	3	CLS S 31 D	**666112**	1
	1x24x4	1CO	16A/250V	230V 50Hz	-	15min.	yes	3	CLS S 31 D M	**666113**	1

1NO   1CO

| **Week programmable** | 7x24/3 | 1CO | 16A/250V | 220 ... 240V 50Hz | - | 3h | yes | 3 | CLS S 31 W | **666114** | 1 |
| | 7x24/2 | 1CO | 16A/250V | 230V 50Hz | - | 2h | yes | 3 | CLS S 31 W M | **666115** | 1 |

1CO

QUARTZ SYNCHRONISED											
Day programmable	1x24x2	1NO	16A/250V	130VDC/ 230V	50h	30min.	Not "OFF"	1	CLS Q 11 D	**666105**	1
	1x24x2	1CO	16A/250V	130VDC/ 230V	150h	30min.	yes	3	CLS Q 31 D	**666104**	1
	1x24x4	1CO	16A/250V	230V	300h	15min.	yes	3	CLS Q 31 D M	**666106**	1

1NO   1CO

| **Week programmable** | 7x24/3 | 1CO | 16A/250V | 130VDC/ 230V | 150h | 3h | yes | 3 | CLS Q 31 W | **666109** | 1 |
| | 7x24/3 | 1CO | 16A/250V | 230V | 300h | 2h | yes | 3 | CLS Q 31 W M | **666110** | 1 |

1CO

| **Day-Day programmable** | 1x24x2 + 1x24x2 | 2CO | 16A/250V | 130VDC/ 230V | 150h | 30/30min. | yes | 6 | CLS Q 62 DD | **666103** | 1 |

2 X CO

| **Day-Week programmable** | 1x24x2 + 7x24/3 | 2CO | 16A/250V | 130VDC/ 230V | 150h | 30min./3h | yes | 6 | CLS Q 62 DW | **666108** | 1 |

2 X CO

Accessories

							No. of mod.	Cat. No.	Ref. No.	Pack.
Surface mounting set							1	SMS 1	**666100**	1
							3	SMS 3	**666101**	1
							6	SMS 6	**666102**	1

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 programing by means of mechanical switches or digital buttons. Devices with daily and weekly event programing 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

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
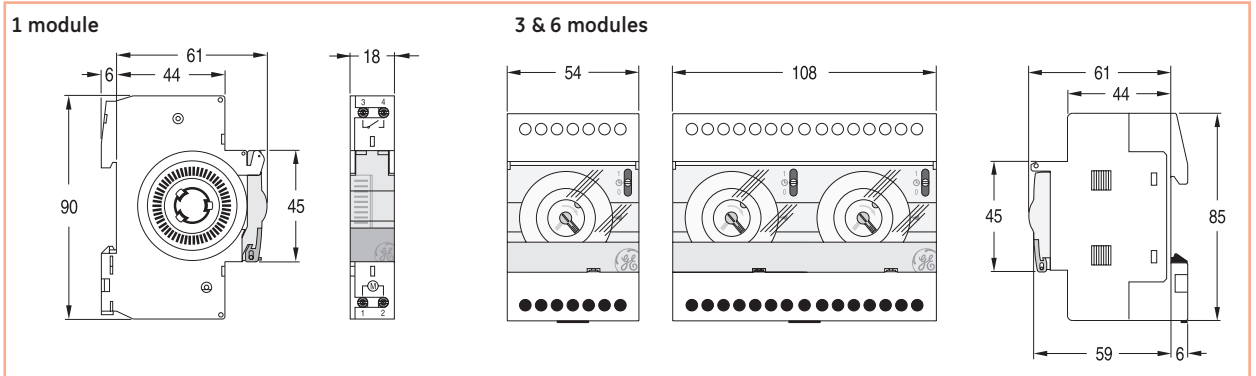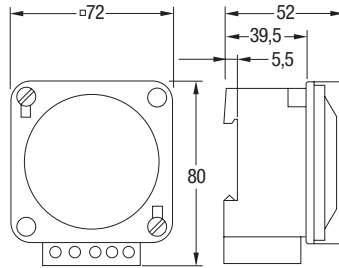- Switching capacity for inductive load 8A/250V

Example of application

Analogue time switch
CLS72Q41W

0 Manual

Automatic
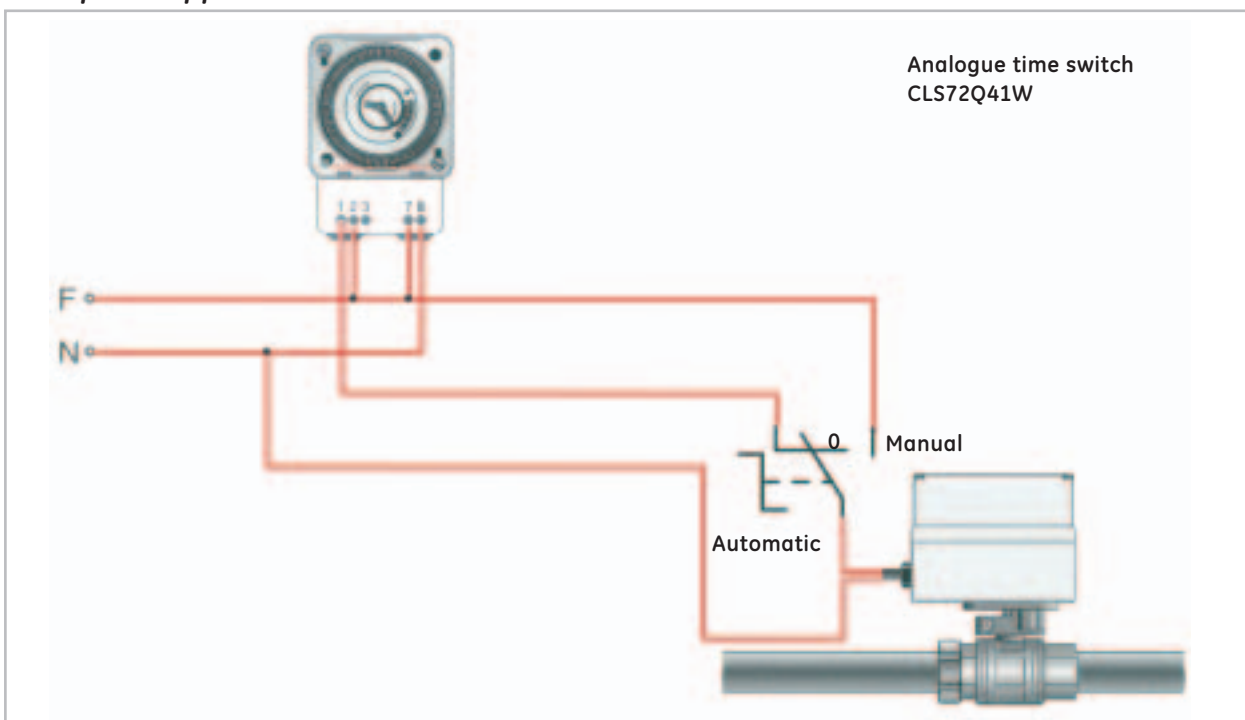
Dimensional drawings

Analogue time switches - Classic

1 module

3 & 6 modules

Time Switches - 72x72 Classic and Galax

Comfort functions

A

B

C

D

E

F

G

X