TIME SWITCH MULTIFUNCTIONAL

CS3-4M

- **8 functions in one connection, with a large range of times from 0.5 s to 20 hrs.**
- **switching element is a triac**
- **installation in the installation box**

According to the selected function, controls the connected load at the set time.

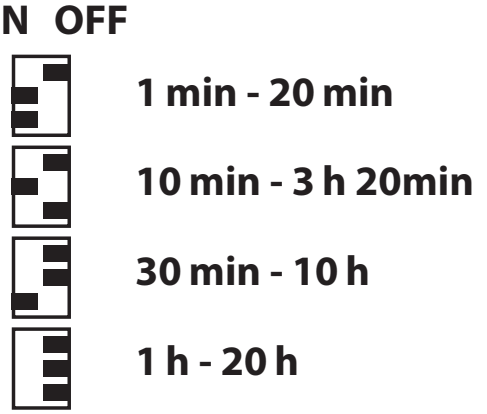
ELEKTROBOCK CZ
MADE IN CZECH REPUBLIC

DESCRIPTION

The CS3-4M timer is a multifunction relay with the possibility of setting eight control functions resistive or inductive loads - fans.

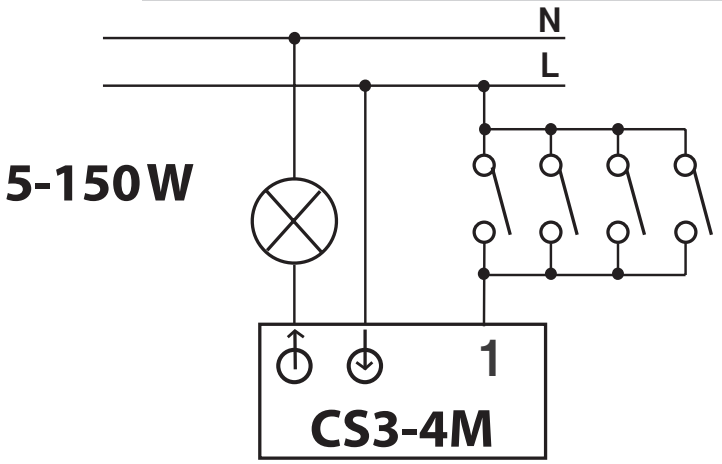
TIME SETTING

is linear, possible in the range of 0.5 s - 20 hours. The settings are made roughly with miniature switch according to the table and gently adjust the trimmer using a small screwdriver. Due to the special circuit used, long-term stability of the set time is guaranteed, without significant dependence on time, ambient temperature and supply voltage.



In times up to 20 s, the maximum number of switchings is 3 / min.

DIAGRAM OF CONNECTION

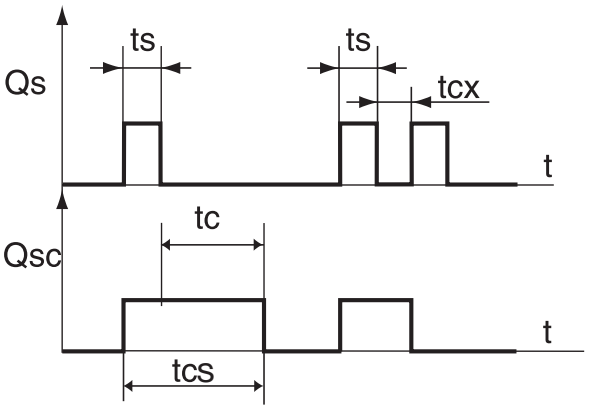


It can be controlled up to 20 buttons used with built-in neon lamp.

FUNCTION SETTINGS

1, Time relay with possibility of interruption

the load is switched on immediately after pressing the control button, and the timing occurs after it is released. Press again during timing to turn off the load.



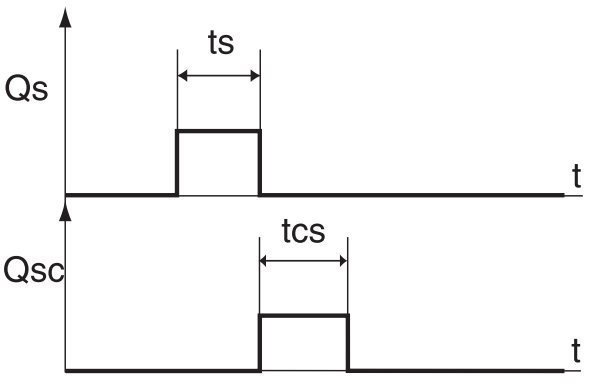
ts = switching time of the button
tc = set time and CS3-4M
tcx = interrupt (tcx <tc)
tcs = ts + tc = total load run time

Switch position

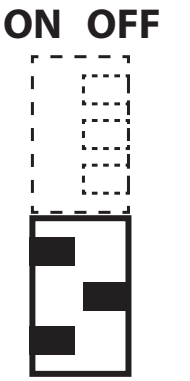
Ex .: stair automat

2, Delayed shutdown

the load is switched on at the moment of opening control switch, the load switches off after the delay **(analogue to CS3-1)**.



ts = switch-on time
tcs = run time appliances

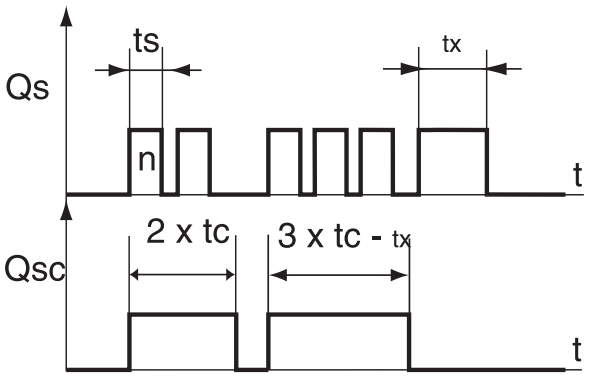


Switch position

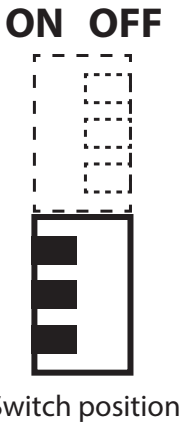
Ex .: bathrooms, toilets

3, Multi-time relay with blocking

the set time is multiplied by the number of button presses (max. 5 x). The sixth press resets the time. If during the timing we press the control button for about 3 s, the load will be switched off.



ts = switch-on time
tx = interruption (ts = 3s)
tc = set time
and CS3-4M
tcx = n x tc (n <5)

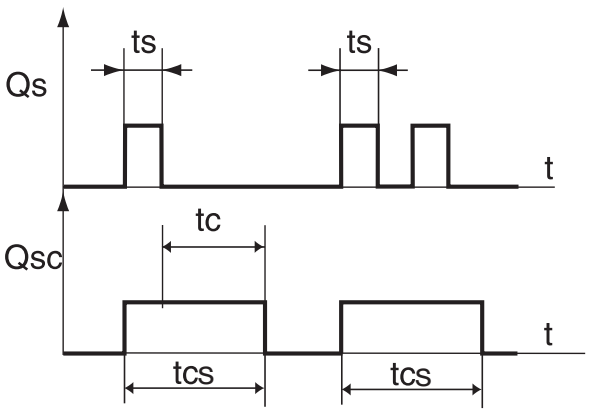


Switch position

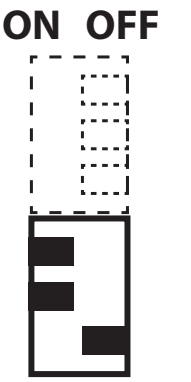
Ex.: stair automat

4, Time relay without interruption

the load is switched on immediately after pressing the control button, and the timing occurs after it is released. After the timer, the load switches off.



ts = switch-on time
tc = set time
and CS3-4M
tcs = ts + tc

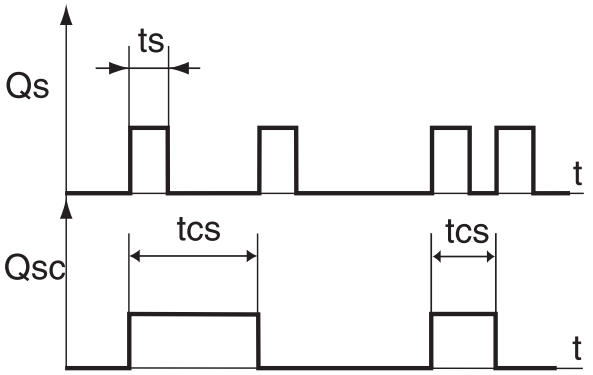


Switch position

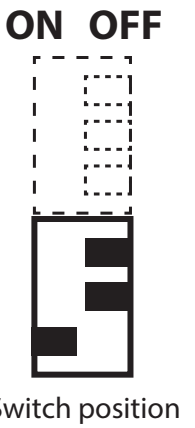
Ex.: stair automat

5, Impulse relay (multi-position control)

after pressing the button, the load closes and the next press buttons turn off the load. At the length of pressing the button and the set time does not matter.



ts = switch-on time
tcs = run time appliances

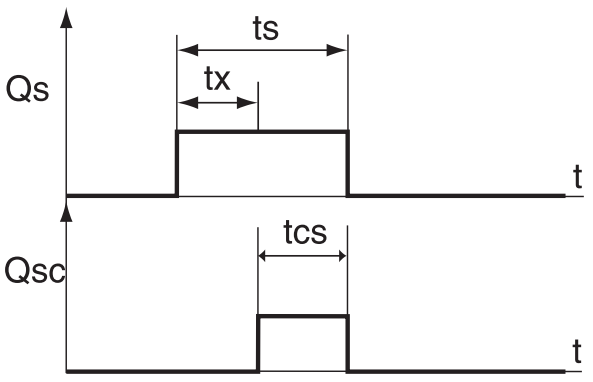


Switch position

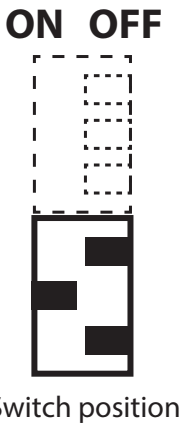
Ex .: load control from multiple locations

6, Delayed closing

after pressing the control switch, the set time (delay) is timed, then the load is switched on, which lasts until the control switch is opened.



ts = switch-on time
tx = set delay on CS3-4M
tcs = run time appliances

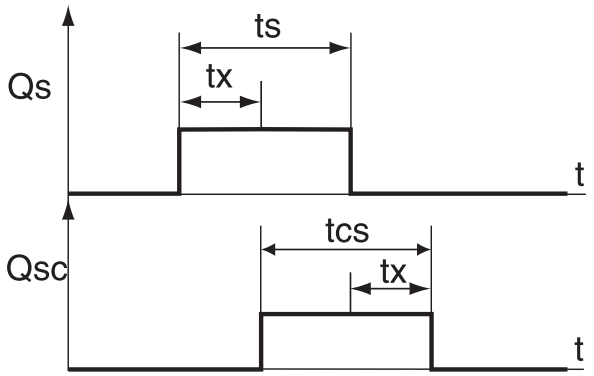


Switch position

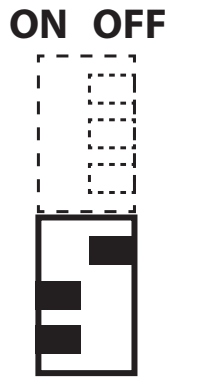
Ex.: bathrooms, toilets

7, Delayed on and off

after pressing the control switch, it sets the set time (delay), followed by switching on of the load. After opening control switch, the load is switched off with the same set delay.



ts = switch-on time
tx = set
delay on
CS3-4M
tcs = run time
appliances

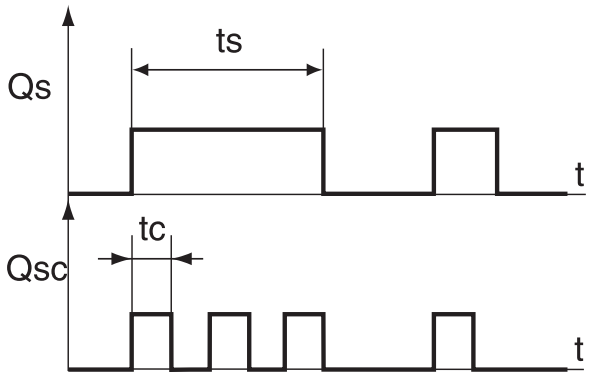


Switch position

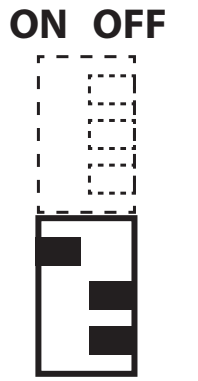
Ex.: bathrooms, toilets

8, Flasher

when the control switch is permanently closed, the load is switched in the set time intervals of 1: 1.



ts = switch-on time
tc = set
time on
CS3-4M



Switch position

Ex: light advertisement, warning lights

! Note: CS3-4M is not suitable for switching electronic light sources, contactors and LED lights.

Time setting and installation is performed on wiring without voltage and a person with the appropriate electrical qualification, according to the wiring diagram.

TECHNICAL PARAMETERS	
Power supply	230 V/ 50 Hz
Switching element	triac
Input power	< 0.5 W
Resistive load	5 up to 150 W
Inductive load	5 up to 50 W
Cannot be used for loads! 	
Internal fuse	FU 2 A/ H 5*20 mm
Wire cross section	0.5 mm^2
Degree of protection	IP20 and larger depending on the type of mounting
Operating temperature	0°C up to +50°C

Overview of manufactured types

CS3-1 turns on the fan when the light is turned off.
CS3-1B turns on the fan at the set time after turning on lights and switches off at the set time after switching off.
CS3-2 timer for lighting.
CS3-4 turns on immediately when a button is pressed, but the timing itself begins after disconnection buttons - connection without neutral conductor.
CS3-4B similar to CS3-1B in connection without zero.
CS3-16 multi - functional, for heavier loads (switching element is a 16 A relay!).

When
warranty
and post-warranty service,
send the product to the address
producer.

TIME SWITCH MULTIFUNCTIONAL CS3-4M

Possibility to set 8 functions:

- **Time relay with the possibility of interruption -** the load is switched on immediately after pressing the button, for timing then after releasing it. The load can be switched off by pressing the button again during timing.
- **Delayed shutdown (similar to CS3-1) -** the load is switched on at the moment of opening the control switch. After the timer, the load switches off.
- **Multi-time relay with blocking -** the set time is multiplied by the number of button presses. If during the timing we press the button for approx. 3 s, the load switches off.
- **Time relay without the possibility of interruption-** the load is switched on immediately after pressing the button, for timing then after releasing it. After the timer, the load switches off.
- **Impulse relay (multi-place control) -** pressing the button switches the load on and pressing the button again switches the load off.
- **Delayed closing -** it is timed after pressing the control switch set time (delay). Then the load is switched on, which lasts until the control switch is opened.
- **Delayed switching on and off -** after pressing the control switch, the set time (delay) is timed, followed by switching on of the load. When the control switch is opened, the load switches off with the same delay.
- **Blinker -** when the control switch is pressed continuously, the load is switched in set time intervals 1: 1 (illuminated advertisements, etc.).

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RoHS compliant

PAP

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