

Time controllers

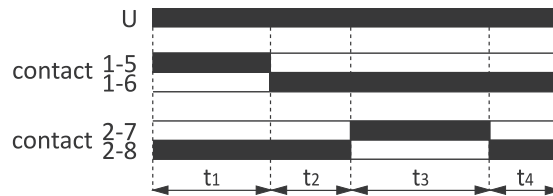
STP-541 time controller, type: right/left operation

Purpose

The programmable controller is used to controlling technological processes in industrial automation systems, in which there is a need for temporary, cyclic, alternating switching of receivers with forced time breaks between successive switchings.

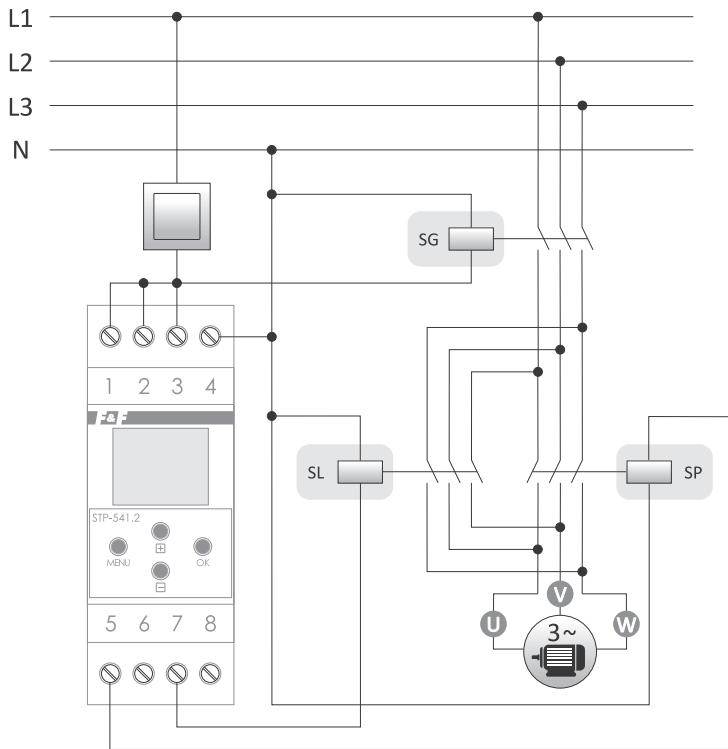
Operation

After the power supply is switched on, the controller switches to a cyclical program consisting of 4 steps. In the first step, the contact is switched to position 1-5 for the time "t₁". In the second step, after the time "t₁" the contact will return to position 1-6 for the time "t₂". In the third step, after the time "t₂", the second contact is switched to position 2-7 for the time "t₃". In the subsequent step, after the time "t₃" the contact is switched to position 2-8 for the time "t₄". And in the last step after the time "t₄", the controller will start the program cycle from the beginning (from the time "t₁"). The cycle will be repeated according to the programmed number of repetitions or infinitely when working in a loop. Loss of the power supply voltage for longer than 1 second will stop the controller program execution. After restarting the power supply, the controller will start the program from the beginning with the programmed number of cycle repetitions.



power supply	24÷264 V AC/DC
maximum load current (AC-1)	2×16 A
contact	separated 2×NO/NC
time settings t ₁ , t ₂ , t ₃ , t ₄	1 s÷100 h
time setting accuracy	1 s
number of cycle repetitions	1÷999999 or in an infinite loop
power consumption	1.5 W
terminal	2.5 mm ² screw terminals
tightening torque	0.4 Nm
working temperature	-20÷50°C
dimensions	2 modules (35 mm)
installation	for TH-35 rail
protection level	IP20

Connection scheme



SG – main contactor
 SP – "right" system contactor
 SL – "left" system contactor

Diagram of the contactor switching system of the following type: right/left operation