

Budget DIN-rail Digital Timer CT05

- ◆ For low-cost applications
- ◆ Slim size
- ◆ 3 operating modes
- ◆ Up to 100 hour time delay
- ◆ Long relay life
- ◆ Easy setup and programming

CT05 is a DIN-rail mountable programmable time-delay relay designed for time sequence control of electrical actuators. The time delay can be adjusted from 0.1 s up to 100 h via a rotary switch and a trimming potentiometer on the front panel and the timing starts at power-on. Different modes of operation – on-delay, off-delay, and cyclical output – can be selected with the rotary micro switch. The timer is equipped with 1 relay output as well as a multi-function LED indicating power supply, relay, and failure status, timing and program modes. CT05 is very easy to set, program, and operate, and yet has all the main functions of a modern programmable timer.



Technical specifications

Times and modes

Ranges	0.1...1 s, 1...10 s, 0.1...1 min, 1...10 min, 0.1...1 h, 1...10 h, 10...100 h programmable (see table below)
Modes of operation	

Output

Output type	electromechanical relay
Contact form and ratings	NO/NC (SPDT), max. 5 A, max. 250 V
Contact life cycles	10 ⁶
Initiate time	≤ 350 ms
Reset time	≤ 350 ms

Accuracy

Time accuracy	better than 0.5% of span
Time repeatability	better than 0.1% of span

Indication and controls

LEDs	LED for power ON, mode, and state
Trimming potentiometer	for time adjustment and mode selection
Rotary switch	for range and mode selection

Power supply

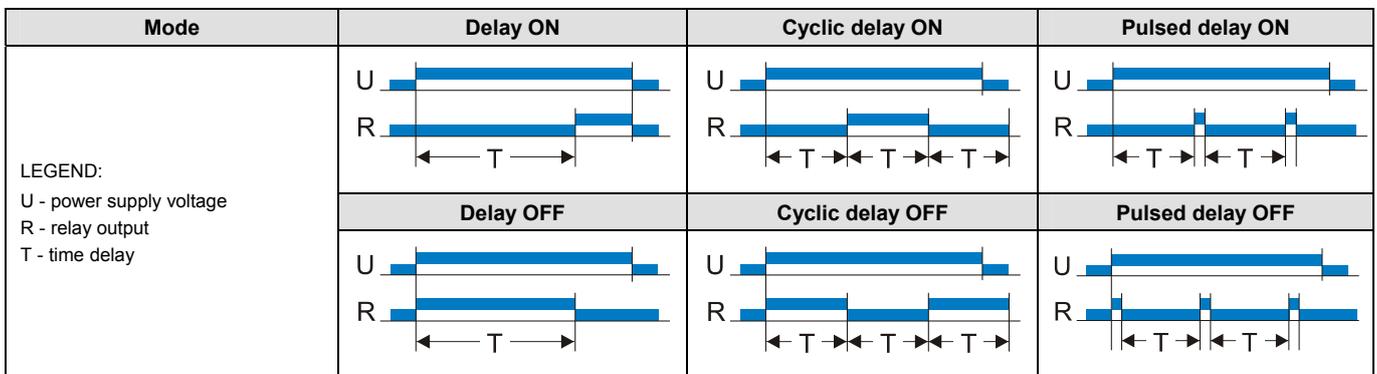
Non-isolated SMPS voltage	24...230 VAC/DC
Non-isolated low voltage	24 VAC/DC ± 10%
Consumption	max. 2 VA

Operating conditions

Operating temperature	-20...65 °C
Operating humidity	0...85 %RH
Storage temperature	-30...80 °C
Storage humidity	0...95 %RH, non-condensing

Design and materials

Case material	plastic
Mounting	on 35 mm DIN rail
Wiring	screw terminals
Dimensions	18x90x58 mm
Weight	max. 70 g
Protection class	IP20



Ordering code CT05 - G1

Code	Feature or option	Code values
G1	Power supply	K - 24...230 V, non-isolated, P - 24 VAC/DC, non-isolated