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CONTROL & MEASUREMENT

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Budget DIN-rail Digital Timer CT05

♦ **For low-cost applications**
♦ **Slim size**
♦ **6 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
Modes of operation	programmable (see table below)

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

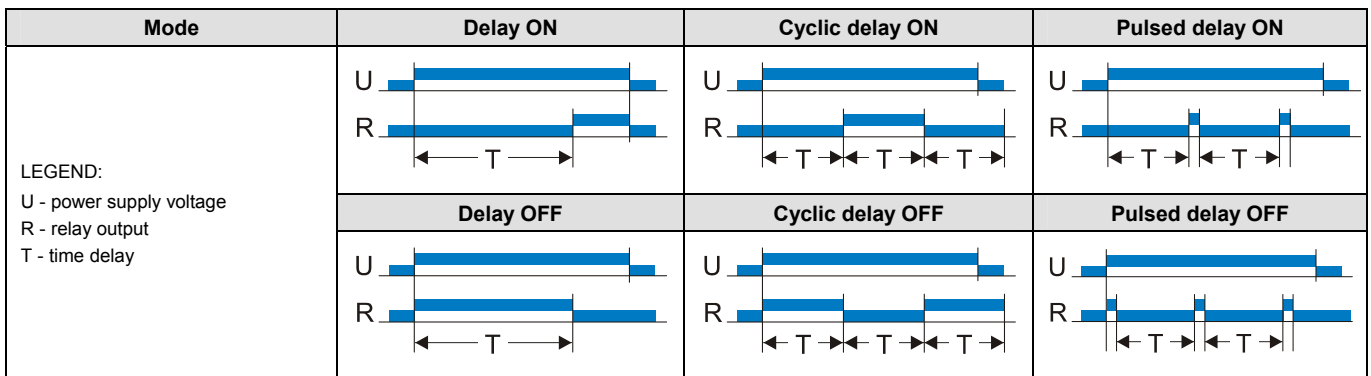|	
LEDs	LED for power ON, mode, and state
Trimming potentiometer	for time adjustment and mode selection
Rotary switch	for range and mode selection

Power supply

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

Operating conditions

Ambient temperature	-20...65 °C
Ambient 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

Mode	Delay ON	Cyclic delay ON	Pulsed delay ON
LEGEND: U - power supply voltage R - relay output T - time delay			
	Delay OFF	**Cyclic delay OFF**	**Pulsed delay OFF**

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