

Modular Style Time Delay Relays

TE-6041U

901-0000-360
October 2022

Star / Delta



FEATURES

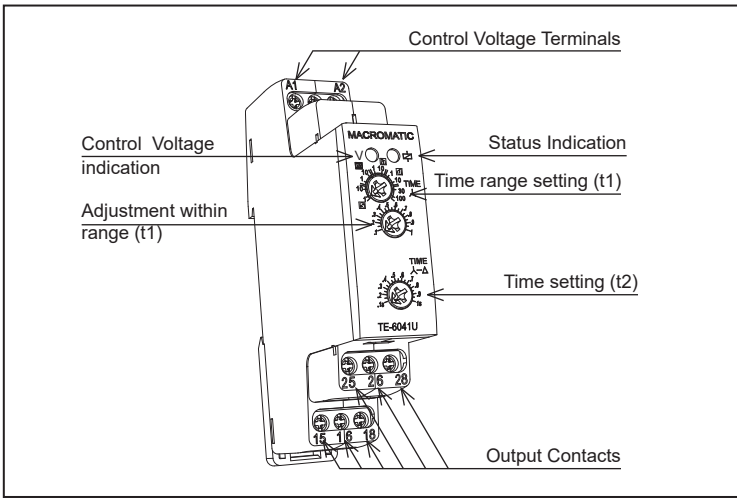
- Time delay relay for starting star/delta motors
- Time t1 (star):
 - time scale 0.1 s - 100 days divided into 10 time ranges: 0.1 s - 1 s / 1 s - 10 s / 0.1 min - 1 min / 1 min - 10 min / 0.1 hrs - 1 h / 1 h - 10 hrs / 0.1 day - 1 day / 1 day - 10 days / 3 days - 30 days / 10 days - 100 days.
 - time range setting by rotary switch
 - fine time setting by potentiometer
- Time t2 (delay) between Δ / Δ :
 - time scale 0.1 s - 1 s
 - fine time setting by potentiometer
- Voltage range: AC/DC 12 - 240 V.
- Output contact: 2x changeover / SPDT 10 A.
- Multifunction red LED indicates the operating status.



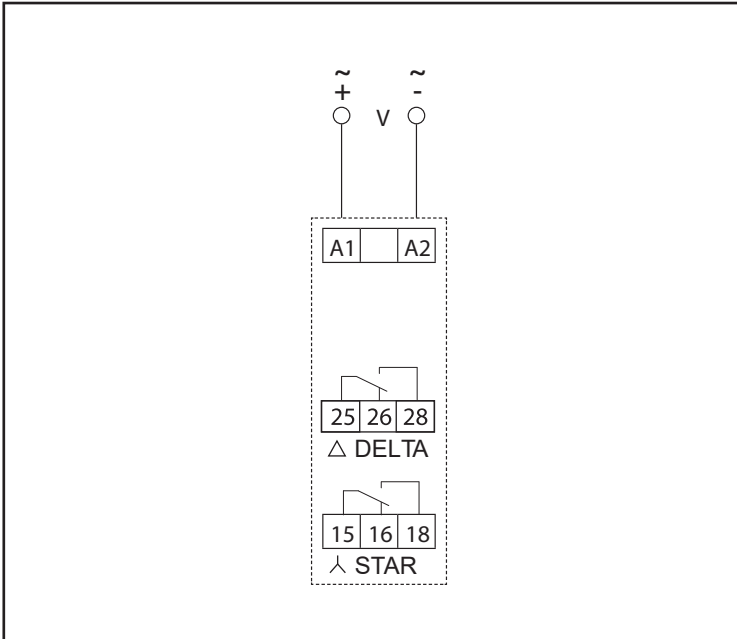
This device is designed for connection of 1-phase voltage, 12-240 V AC/DC and must follow all National, State & Local Codes. Connections must be made according to details in this instruction sheet. Installation, connections, setting and servicing should be performed by qualified personnel.

BE SURE TO REMOVE ALL POWER SUPPLYING THIS EQUIPMENT BEFORE CONNECTING OR DISCONNECTING WIRING. Qualified installer must also ensure the device is being installed into a temperature controlled environment which will guarantee not to exceed the specified maximum operating temperature. For installation use a screwdriver with 2 mm tip.

DESCRIPTION



WIRING DIAGRAM



TE-6041U

Control Voltage(V)	
Control Voltage terminals:	A1, A2
Control Voltage range:	AC/DC 12 - 240 V (AC 50 - 60 Hz)
Burden (max.):	2 VA / 1.5 W
Control voltage tolerance:	-15 %; +10 %
Control voltage indication:	green LED
Reset time:	max. 150 ms
Time circuit	
Time ranges:	t1: 0.1 s - 100 days, t2: 0.1 s - 1 s
Time setting:	rotary switch and potentiometer
Time deviation:	5 % - mechanical setting
Repeat accuracy:	0.2 % - set value stability
Temperature coefficient:	0.01% / °C, at =20 °C (0.01 % / °F, at = 68°F)
Relay Output	
Relay Contact Output:	2x changeover / SPDT (AgNi)
Current rating:	10 A
Electrical life:	100.000 operations
Switching voltage:	250V AC / 24V DC
Output indication:	multifunction red LED
Mechanical life:	10.000.000 operations
Other information	
Operating temperature:	-20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature:	-30 °C to +70 °C (-22 °F to 158 °F)
Dielectrical strength:	4 kV AC
Operating position:	any
Mounting:	DIN rail EN 60715
Protection degree:	IP40 from front panel / IP20 terminals
Overvoltage category:	III.
Pollution degree:	2
Wiring Terminals:	max.1x 14 AWG max. 2x 16 AWG
Dimensions:	3.5 x 0.7 x 2.5 inch (90 x 17.6 x 64 mm)
Weight:	2.8 oz (78 g)

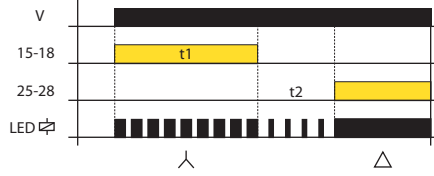
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FUNCTIONS

STAR / DELTA



DIMENSIONS (INCHES / MILLIMETERS)

