

Multiple-function time relay – asymmetric cycler

1. Device description

TRC01 is a multiple-function time relay – asymmetrical cycler, with beginning of pulse or pause. Time pause is adjustable from 0.1. sec to 10 days. Other possible modes are: timing always ON and timing always OFF. Relay is equipped with one 8 A output changeover contact.

Terminal description:	Terminal placement:	Connection diagram:
<div><div>1</div>Supply voltage</div> <div><div>2</div>Selection of function terminal</div> <div><div>3</div>Output indication</div> <div><div>4</div>Supply indication</div> <div><div>5</div>1st time setting</div> <div><div>6</div>1st time fine setting</div> <div><div>7</div>2nd time fine setting</div> <div><div>8</div>2nd time setting</div> <div><div>9</div>Outputs</div>		

2. Functions

	A1, B not switched through - Cycles are beginning with a pulse
	A1, B switched through - Cycles are beginning with a pause

3. Technical parameters

Parameter	Value
Supply voltage	12 ... 230 V _{AC/DC} (+10%, -15%)
System frequency	50 Hz / 60 Hz
Supply terminals	A1, A2
Power consumption	max. 1.5 VA / 1.2 W
Number of functions	2
Supply indication	green LED
Timing indication	yellow LED blinking
Time pause scale	0.1 sec ... 10 days
Output parameters	
Number and type of contacts	1x changeover contact
Rated operating voltage / current	250 V _{AC} / 8 A, 24 V _{DC} / 8 A
Maximum switched voltage	400 V _{AC} (5 A) / 150 V _{DC} (0.3 A)
Maximum switched power	2000 VA / 192 W
Trigger current	15 A
Maximum net harmonic distortion	less than 5%
Mechanical life	3 x 10 ⁷ cycles
Electrical life	1 x 10 ⁵ cycles (250 V _{AC} , 8 A)
Others	
Ambient temperature	-20 ... +55 °C
Storage temperature	-40 ... +70 °C
Working position	any
Mounting	IEC 60715 (DIN 35)
Protection degree	IP 20
Electrical strength	4 kV
Conductor rigid and flexible	0.2 ... 2.5 mm ²
Weight	75 g
Dimensions	90 x 18 x 65 mm
Related standards	EN 61812-1, IEC 61010, IEC 61000



Note

For changing the time range, it is not necessary to switch-off the relay supply voltage.