

# MULTIVOLTAGE, MULTIFUNCTION, TIMER RELAY 1 DIN



## 1RT 200/MT/MF

### Multifunction, multi-voltage timer relay with display - 1 DIN

- Power supply 12 - 24 - 48 - 110 - 230V a.c. 50 / 60Hz
- Controllable load (in AC1) 16 A / 250 V a.c.
- Controllable load (in AC15) 3 A / 240V a.c.
- Potential-free changeover contact
- 14 functions available in the display
- Double timer T1, T2 independently adjustable
- Backlit display, amber color
- Digital adjustment of work times, hours, minutes, seconds and tenths of seconds
- Load operation hour counter
- Dimensions (L x W x H) 17.5 x 60 x 90 mm



## 1RT 80S

### Multivoltage STAR DELTA timer relay 1 DIN

- It serves for delay ON of three-phase motor star/delta
- Time t1 (star)
  - Time range setting by rotary switch
  - Fine time setting by potentiometer
- Time t2 delay between  $\star/\Delta$ 
  - Fine time setting by potentiometer
- Red LED multifunction flashes or shines depending on the operating status
- Supply terminals A1 – A2
- Power supply AC/DC 12-240 V (AC 50/60 Hz)
- Power input (max.) 2 VA/1,5 W
- Supply voltage tolerance -15% +10%
- Supply indication green LED
- Time scale t1: 0,1 s - 100 days, t2: 0,1 s - 1 s
- Setting switch and potentiometer
- Time tolerance 5% mechanical setting
- Accuracy repeat 0,2% on the set value
- Output type 2 changeover contacts
- Contacts material AgNi
- Current rating 16 A / AC1
- Inrush current 30 A / 3 s
- Breaking capacity 4.000 VA / AC1, 384 W/DC
- Switching voltage 250V AC/24V DC
- Power dissipation(contacts) max 1.2 W
- Output indication multifunction red LED
- Electrical life 50.000 operations
- Mechanical life 10.000.000 operations
- Reset time max. 150 ms
- Civil / tertiary / industrial use
- Type installation DIN rail
- Protection degree (IP) IP20 / IP40 rear panel
- Dielectrical strength 4.000 V ac
- Max cross-section of wires to terminals 1 x 2,5 or 2 x 1,5 mmq, 1 x 2,5 mmq with cable lug
- Operating temperature -20 ÷ 55°C
- Storing temperature -30 ÷ 70°C
- Degree of pollution 2
- Overvoltage category III
- Standard EN 61812-1
- Dimensions (L x W x H) mm 17,6 x 64 x 90
- Weight 78 g.



## 1RT 80MTMF

### Multifunction, multivoltage timer relay 1 DIN

- Multifunction relay for universal use in automation, control and regulation or in house installations.
- Easy function and well-organized time set with rotary switch
- Multifunction red led flashes or shines depending on the operating status
- Supply terminals A1 – A2
- Power supply AC/DC 12-240 V (AC 50/60 Hz)
- Power input (max.) 2 VA/1,5 W
- Time tolerance -15% +10%
- Supply indication green LED
- Time scale t1: 0,1 s - 10 days,
- Setting switch and potentiometer
- Time tolerance 5% mechanical setting
- Accuracy repeat 0,2% on the set value
- Output type 1 changeover contact
- Contacts material AgNi
- Current rating 16 A / AC1
- Breaking capacity 4.000 VA / AC1, 384 W/DC
- Switching voltage 250V AC/24V DC
- Power dissipation(contacts) max 1.2 W
- Output indication multifunction red LED
- Electrical life 50.000 operations
- Mechanical life 10.000.000 operations
- Pulse length min 25ms / max no limits
- Reset time max. 150 ms
- Civil / tertiary / industrial use
- Type installation DIN rail
- Protection degree (IP) IP20 / IP40 rear panel
- Dielectrical strength 4.000 V ac
- Max cross-section of wires to terminals 1 x 2,5 or 2 x 1,5 mmq, 1 x 2,5 mmq with cable lug
- Operating temperature -20 ÷ 55°C
- Storing temperature -30 ÷ 70°C
- Degree of pollution 2
- Overvoltage category III
- Standard EN 61812-1
- Dimensions (L x W x H) mm 17,6 x 64 x 90
- Weight 62 g.



## **1RT 80A**

**Single-function time relay with delay on the switch on 1 DIN**

## **1RT 80B**

**Single-function time relay INTERVAL ON 1 DIN**

## **1RT 80C**

**Single-function time relay OFF delay 1 DIN**

## **1RT 80E**

**Single-function time relay FLASHER – ON first 1 DIN**

• Singlefunction time relays are suitable for applications where there is a clear function requirement in advance and for universal use in automation, control and regulation or in house installations.

- Choice of four types: A, B, C, E.
- All functions initiated by the supply voltage can use the control input to inhibit the ongoing delay (pause)
- Multifunction red LED flashes or shines depending on the operating status.

- Supply terminals A1 – A2
- Power supply AC/DC 12-240 V (AC 50/60 Hz)
- Power input (max.) 2 VA/1,5 W
- Time tolerance -15% +10%
- Supply indication green LED
- Time scale t1: 0,1 s - 100 hours
- Setting switch and potentiometer
- Time tolerance 5% mechanical setting
- Accuracy repeat 0,2% on the set value
- Output type 1 changeover contact
- Contacts material AgNi
- Current rating 16 A / AC1
- Breaking capacity 4.000 VA / AC1, 384 W/DC
- Switching voltage 250V AC/24V DC
- Power dissipation(contacts) max 1.2 W
- Output indication multifunction red LED
- Electrical life 50.000 operations
- Mechanical life 10.000.000 operations
- Reset time max. 150 ms
- Civil / tertiary / industrial use
- Type installation DIN rail
- Protection degree (IP) IP20 / IP40 rear panel
- Dielectrical strength 4.000 V ac
- Max cross-section of wires to terminals  
1 x 2,5 o 2 x 1,5 mmq, 1 x 2,5 mmq with cable lug
- Operating temperature -20 ÷ 55°C
- Storing temperature -30 ÷ 70°C
- Degree of pollution 2
- Overvoltage category III
- Standard EN 61812-1
- Dimensions (L x W x H) mm 17,6 x 64 x 90
- Weight 61 g