

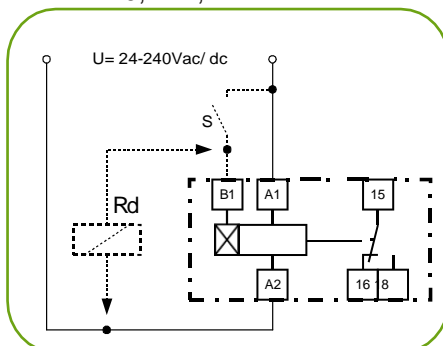
# Microprocessor Timers

## RTx-410, 412, 414

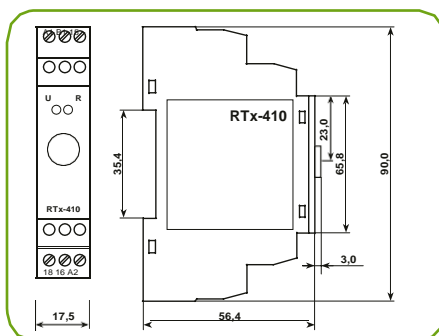


### Connection diagram

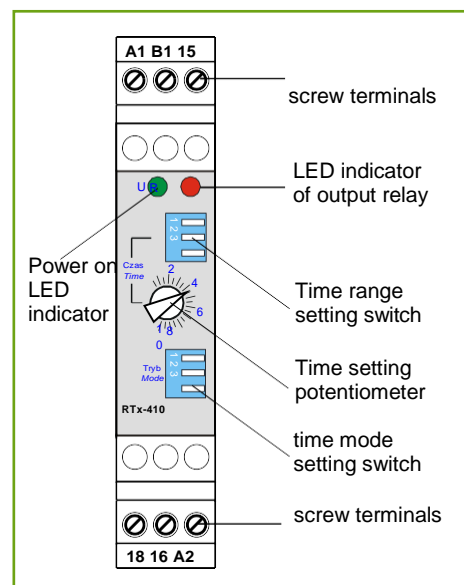
RTx-410, 412, 414



RTx-41x dimensions



Front panel view of RTx-41x



### Features

Multi-function\*:

**RTx-410:**

A, B, C, D, As, Bs, Cs, Ds, Ar, Br, ABC, Pc

**RTx-412:**

Ac, Bc, A1c, B1c, C1c, D1c, Wd, Zsc

**RTx-414**

A i, C i, Asi, Csi, B1i, P1c, P2c, P3c, P4c, A2c

Multi-range; choice of eight selectable time ranges from 0.01s to 100hr

Analogue time setting

Wide supply voltage range from 24 to 230V

Binary control input B1

LED power on indicator (Un)

LED indicator of output state (R)

35 mm DIN rail mounted

### Technical data

Supply voltage options  $V_x$

Supply voltage tolerance

Frequency

Time range

24-240V AC/DC

(0.8-1.1)  $V_x$

50 / 60Hz

0.01s - 100hr in eight sub-ranges (choosing by switch):

(0.01-0.1s)\*\*; 0.1-1s; 1-10s;

10-100s; 1-10min; 10-100min;

1-10h; 10-100h

**\*\* NOTE:** Setting error may be higher than stated.

The time setting should be selected on try-out basis.

Restoration time

$\leq 0.1s$

Contact ratings

- contact make
- contact break

5A

5A (220V,  $\cos \leq 0.4$ )

0.1A (220V DC,  $L/R=40ms$ )

5A

- carry continuously

Repeatability

1% +10ms

Setting error

$\pm 5\%$  of the full scale  $\pm 10ms$

Operating temperature

(-25...+60) $^{\circ}C$

### Information required with order

relay type

**Example**

RTx-410