

General

ERV-08 and ERV-08M timer relays are used in all fields (industry, house, plant etc.) need controls related to the time.

Usage of Device and Working Principle

Make the connections according to the diagram.

Max.Time (Time Steps, TS): Adjusts the stage and display the max.time.

t (t): Divides the stage by 10 and multiply with displaying value.

Example: Time is 75 minutes.

Make stage button to 100m (100 minutes) and turn "t" button between 7-8. In this case time is adjusted to 75 minutes.

Note: In order to adjust much sensitive higher time values, set "t" by chronometer in low stages and increase the stage to the time required.

Example: Time is 25 hours.

Turn stage button to 10s (10 seconds) and "t" button between 2-3. Make power on and check with a chronometer for 2.5 seconds.

If it is high or low, set "t" again. Re-check the device.

Make the stage button 100h(100 hours). In this case, you set it more sensitive. After setting the time, power on the device. Device will start timing and meanwhile led switches on-off. When device is timing relay connect out is (NC) 1 (socket 5). When the timing finish (set time is up) relay led is switches on stable and contact out is (NO) 3 (socket 6) this time. Device keeps stable till the power is off.

Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. make sure device works after cleaning.

Warnings

Please use the device according to the manual.

Don't use the device in wet.

Include a switch and circuit breaker in the assembly.

Put the switch and circuit breaker nearby the device, operator can reach easily.

Mark the switch and circuit breaker as releasing connection for device.

Technical Specifications:

Operating Voltage(Un) : 150V - 260V AC, 12V-240V AC/DC (ERV-08M)

Operating Frequency : 50/60 Hz.

Operating Power : <4VA

Operating Temperature : -20°C.....+55°C

Time(t) : 10sec, 100sec, 10min, 100min, 10hr. and 100hours

Display : On led and Out(RLY) led

Connection Type : Terminal connection

Weight : Max. 120gr.

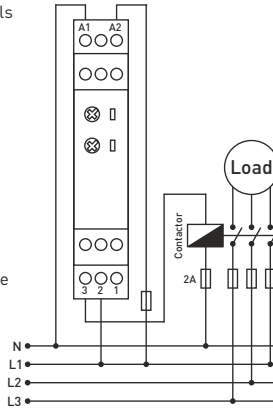
Contact : 5A/250V AC (Resistive Load)

Mounting : Assembled on the din rail.

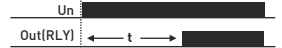
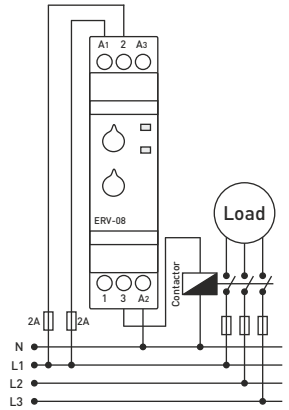
Operating Altitude : <2000meter

Cable Diameter : 2,5mm², 1,5mm² (ERV-08M)

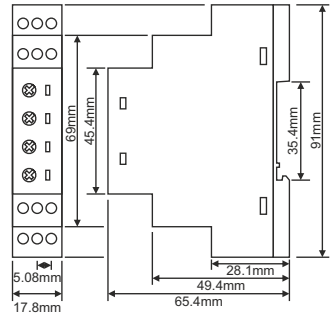
Connection diagram for ERV-08M



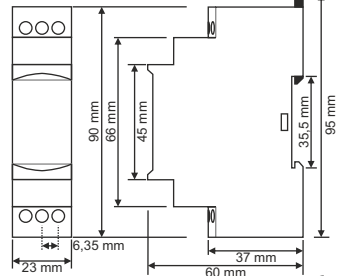
Connection diagram for ERV-08



Dimensions for ERV-08M



Dimensions for ERV-08



ERV-08/08M Stage Values

A: 10sn./sec.

B: 100sn./sec.

C: 10dk./min.

D: 10dk./min.

E: 10saat/hours

F: 100saat/hours