

General

ERV-DG off-delay time relay intervenes in the load by closing the relay contact after counting for the set time after its power is cut off.

Usage and Working Principle of the Device

ERV-DG: Make the connections of the device in accordance with the connection type. When the device is energized, the PWR LED is on continuously, the ON LED is on for 1 second and the relay is energized, the relay contact output (NO) is at terminal 3. After the device is de-energized, it counts for the set time, the OFF LED turns on for 1 second and the relay is de-energized, the relay contact output (NC) is at terminal 1.

Setting the Time

t Knobe: Divides the time step by 10 and multiplies it by the adjusted value.

Steps Knobe: Adjusts the time step and shows the maximum time that can be set.

Example: Let's set the time to 70 seconds by following the steps below.

→ Let's set the **Steps** knob to position B (100 seconds) and the button **t** to position 7.

Note: To adjust the high times more precisely, adjust the "t" knob at the low level (10-second "A" level) with the help of a stopwatch, and then increase the level to the time you want to set.

Operating Characteristic**Warnings**

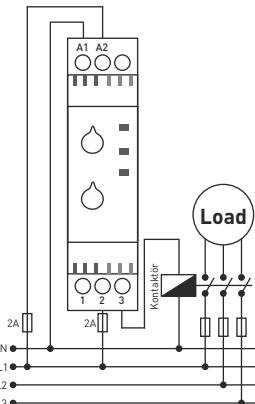
- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

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.

Technical Specifications

Operating Voltage : 100V - 240V AC 50/60Hz.
 Time (t) : 1 sec. - 10 min.
 Display : 3x LEDs
 Operating Power : <3VA
 Operating Temp. : -20°C.....+55°C
 Mounting : Mounting on DIN rail.
 Weight : <90gr.
 Contact : 5A 250VAC Resistive Load
 Operating Altitude : <2000m
 Cable Diamater : 2,5mm²

Connection Diagram**Dimensions**