

**General**

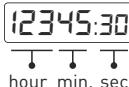
The hour meter is designed to calculate the working hours of any load that starts to work with the supply of mains voltage. [Up to 99,999 hours]

**Usage and Working Principle of the Device**

Make the connections of the device in accordance with the connection type. As soon as the device is energized, the device will start counting time.

**Impression No. (1): Up to 1000 hours**

The device displays the time between 0-1000 hours according to the number 1 impression. The time display between 0 and 1000 hours is as follows.

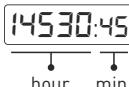


According to the side display, the time on the device is read as follows.  
123 hours 45 minutes and 30 seconds.

hour min. sec.

**Impression No. (2): Over 1000 hours**

The device displays the time over 1000 hours according to the number 2 impression. The time display over 1000 hours is as follows.



According to the side display, the time on the device is read as follows.  
14.530 hours 45 minutes.

hour min.

**Time Reset (Reset)**

To reset the time, the "Reset" button on the device must be pressed for **5 seconds**. This feature is only available for HM-48D.

**NOTE:** The device, in case of power failure; records the time. When the device is energized again, time counting continues from where it left off.

**Warnings**

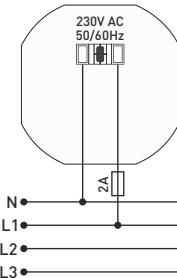
- Please use the device according to the manual.
- Don't use the device in wet.
- Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

**Maintenance**

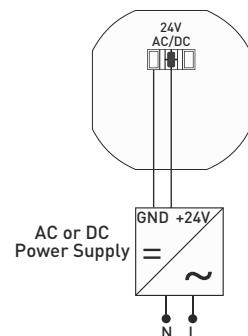
Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

**Technical Specifications**

Operating Voltage	: 160V-240V AC 50/60Hz.
Operating Voltage	: 24V AC/DC
Operating Power	: <7VA
Operating Temperature	: -20°C.....+55°C
Operating Time Range	: 0 sec. - 99.999 hours and 59 minutes.
Display	: 1x7 LED Display
Connection Type	: Terminal connection
Mounting	: Installation on the panel cover.
Weight	: <60gr.
Operating Altitude	: <2000m
Cable Diameter	: <1,5mm <sup>2</sup>

**Connection Diagram (with 230V AC Mains Voltage)****Connection Diagram (with 24V AC/DC Voltage)**

**Note:** In order to supply 24V, the middle terminal protection must be broken with the help of a screwdriver.

**Ebatlar**