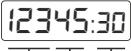## General

The hour meter is designed to calculate the working hours of any load that starts to work with the supply of the 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.
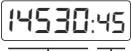
12345:30
hour min. sec.

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

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.

14530:45
hour min.

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

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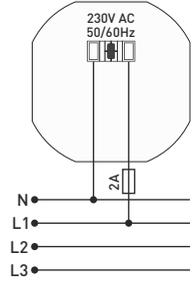-Mark the switch and circuit breaker as releasing connection for device.

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.
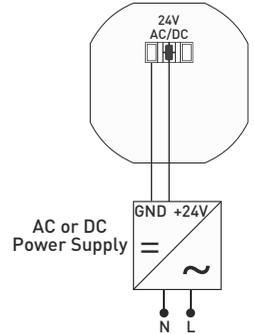
Connection Diagram
(with 230V AC Mains Voltage)

230V AC
50/60Hz
2A
N
L1
L2
L3

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.

24V
AC/DC

GND +24V
AC or DC
Power Supply
N   L

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	:	<1,5mm²

Ebatlar

72mm.
72mm.
48mm.
45mm.
32mm.
6.2mm.