

P44-RHM1
Running Hour meter / timer
Operating instructions
and
Guarantee Certificate

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Description:

The timer is active as long as the "RUN" terminals are shorted. The timer increments every second until it reaches 9999 h, 59m & 59 sec.

The setpoint can be set with values from 1 second to 9999 hours.

The lapsed time may be cleared by shorting the "CLR" pins, or via the menu.

During a power failure the lapsed time is saved to non-volatile memory.

When power is re-applied the timer continues where it left off. The power may be disconnected indefinitely without loss of data.

The relay functionality may be reversed.

The display may be set to indicate lapsed or remaining time.

A separate "total hours" counter with a maximum 999999 hours is also included.

The set point may be displayed by pressing the "▲" button.

Please see description of the different functions for further details.

Menu options:

- Set point for minutes and seconds ("SEt" + "SEC") (default:0 min & 0sec)

(press "▲" or "▼" to view & make adjustments)

Once the lapsed time is greater than the pre-set hours, minutes & seconds, the relay will change state until the counter is cleared

(via software, or by shorting the "CLR" pins).

- Set point for hours ("SEt" + "hour") (default:0 hours)

(press "▲" or "▼" to view & make adjustments)

Once the lapsed time is greater than the pre-set hours, minutes & seconds, the relay will change state until the counter is cleared

(via software, or by shorting the "CLR" pins).

- Clear counters ("CLR")

Press "▲" and "▼" to clear the lapsed time.

- Total number of hours ("tot") (not adjustable)

Select this setting to view the total number of hours the device has run. This counter is only reset during a full device reset. See "rest" setting. When the value exceeds 4 digits, the display alternates between the first 3 digits of the value (displayed in position 1,2 and 3 on the display), and the second 3 digits (displayed in position 2,3 and 4 on the display).

- Relay functionality ("r.Fun") (default: CLOSE)

Once the pre-set number of hours is reached, the relay will either "CLOSE" or "OPEN"

- Display format ("diSP") (Default: Lapsed hours)

Set the display to indicate lapsed time ("LA t"), or remaining time ("rE t") before the relay will switch.

- Reset ("rEst)

Press "▲" and "▼" to reset all values to default.

(the total register is also reset to zero).

Menu functionality:

Press the menu "⏏" button repeatedly until the desired setting is reached.

The "▲" and "▼" buttons are used to change the value. "⏏" will display the next menu item. To exit the menu hold "⏏" button for 1 second.

Menu options:

Exit the menu before making the following adjustments.

1. Lock / unlock parameters: (default: unlocked)

Press "▼", then "⏸" and hold the 2 buttons until the desired option is displayed. The display cycles between "Loc" (no changes allowed) & "u.Loc" (parameters may be adjusted)

2. Full / reduced menu (default: Full)

Press "▲", then "⏸" and hold the 2 buttons until the desired option is displayed. The display cycles between "rEdu" (limited menu) & "Full" (all parameters are accessible)

3. Access Code: (default: no code)

Once options 1 & 2 are set as required, Press "▼" and "▲" simultaneously until "CODE" is displayed. Now use the "▲" & "▼" to enter a code.

(1-9999) Once a code is entered, access to options 1 & 2 is not permitted. To clear the code, re-enter the same code again. If the code is forgotten. Press and hold "▲" & "▼" until "CODE" is displayed while re-applying power to the device. To exit without setting a code, press "⏸" while "CodE" or "diSA" is displayed.

Programming example:

Set the device to de-energise the relay after 150 hours.

Press "⏸" repeatedly until "Set" + "hour" is displayed.

Use "▲" and "▼" buttons to change the value to "150".

Press "⏸" to display the next menu item.

Press "⏸" repeatedly until "r.fun" is displayed.

Use "▲" and "▼" to change the value to "OPEn".

Press and hold "⏸" to exit the menu

Please Note:

- If the display is configured to indicate remaining time, and the lapsed hours is greater than the set point value, the display will indicate zero.
- Once 9999 hours have lapsed, the counter will NOT roll over to zero. (It will remain at 9999 until cleared.)

Specifications:

Set point: 0 – 9999 hours
 Accuracy: ±0.05%
 Display Resolution: 1 second (hours are displayed on the upper display, and minutes & seconds on the lower display)
 Input voltage: ±15% of rated voltage
 Led indication: Relay status

Relay specifications:

Contact rating: 10A 250 VAC 2500VA (Resistive)
 Mechanical life: 30 million operations
 Electrical life: 250 000 operations (at max load)

12 Month guarantee:

Our product is guaranteed for a 12 (twelve) month period from date of purchase. This guarantee is valid for defects arising from failure during specified conditions. This guarantee does not cover damage due to abuse, tampering or improper installation. Our company does not accept liability for any consequential damage or loss arising from product malfunction. Should this product prove to be defective, kindly return it for inspection or repair. For further information contact your nearest distributor.

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