

TBS DISPLAY



General: This display has five rows, the first four rows from the top are in (hours:minutes) format, the last row has a status display at the left, and a decimal number format display at the right. The purpose is to display a machine working time statistics,

The TBS display is powered by 220V AC. The machine command is simply a 2-wire cable working as a switch (when the two wires of the cable (low voltage) are connected to each other, the command is read as the machine being in active status-ON, otherwise OFF).

The **power** and **command** ports are located at the left side of the Display. The **power** port is a male connector, and the **command** port is a female connector.

The **keypad** at the right side is used to **set** the time and **reset** the timers.

Description:

- **Best TBS:** This is the best active time that the machine records.
- **Time since last stop:** when the machine is activated after being stopped, this counter is reset and starts over to register the **active** time. When the machine stops, if this new record is greater than the record time (Best TBS), it will replace it.
- **Start time:** This is the time when the machine is reset, and is fixed at midnight.
- **Total time stop:** this counter displays the total **inactive** time

- **Number of stop:** every time the machine shifts from an active to inactive status, this counter increments by one.

Set Time: Keep pressing **Set** button until all the displays go **off** but the first one (Best TBS display), then release.

The hours digits start blinking, and you can adjust the time using **↑** and **↓** buttons. Press **Set** to move to minutes digits. Note that the Time is 24H format. Press **Set** again to exit .

Time correction:

If you noticed that this clock time is not accurate, the time constant needs to be corrected according to the time displacement within one week.

It is well-known that the specifications of the electronic elements change with temperature, and since this clock may operate in different temperatures, this may cause the time in this clock to be displaced, so this clock has a software adjustment mechanism to secure the time accuracy.

Press **Set** and **↓** buttons until all the displays go **off** but the first one (Best TBS display), then release.

Use **↑** and **↓** buttons to set the right value, then press **Set** to exit.

- The time constant /C/ defines the time displacement in seconds that may occur within one week this constant has a range of (-58sec ~ +58sec) and is set through the RF remote control.
- For instance, when the time constant value is /+3/, this means that this clock is going to add automatically /3/ seconds to the time every week at the day that this factor was initially set.
- When the time constant value is /-5/, this means that this clock is going to subtract automatically /5/ seconds from the time every week at the day that this factor was initially set.

Full Reset:

The display is reset at midnight everyday, but the **Best TBS** record will not reset, neither will the **Time since last stop**.

In order to reset all the displays you need to disconnect the power, then press all the buttons together and plug the power again. Keep pressing until all digits show zeros, then release.

Important :

Do not connect the active two wires to 220v cause that will damage the TBS display , only connect as switch without any external power .