

MTD BE / MTD Display / MTD Inserter

Supplement to the operating manuals of the units

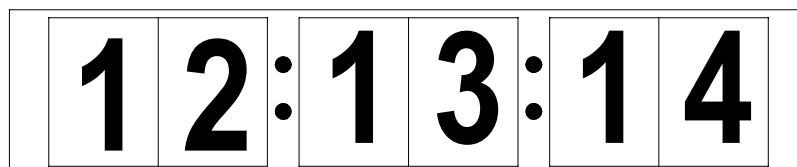
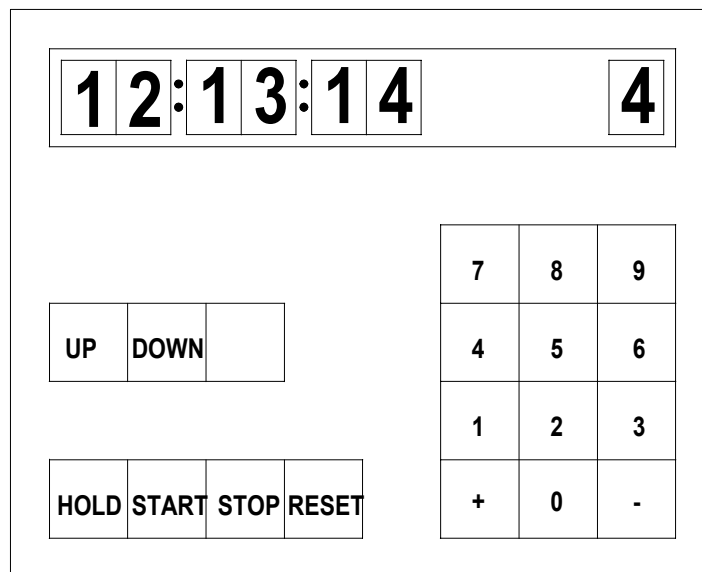


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Functions overview

- With this special feature it is possible to have a local stop timer without being connected to the central MTD generator unit.
- The stop timer is operated from an user console, e.g. unit **MTD BE**. Select stage **4** at the HEX turn switch **MODE** of the user console. The stop timer may count upwards or downwards. A down-counting time will stop at 0. It is possible to set a start value.
- A “slave” display, e.g. **MTD-D56**, can be connected to show the start value and the stop timer. Select stage **5** at the HEX turn switch **MODE** of the display.
- A video inserter unit, e.g. **TC300** with a digital video channel, can be connected to show the start value and the stop timer. Select **TEXT1** in the inserter menu.
- All units of the system communicate via the RS585 serial interface. All units must be equipped with a special firmware.
- This special feature is an add-on to the standard functions. Please refer to the operating manuals of each unit to get a complete and detailed description of the standard functions.

Stop timer functions

The local stop timer at Mode = 4 of the user console has the following fixed settings:

- Leading zeros will not be displayed.
- The feature “Leading zeros at 0” will be switched off.
- DOWN counting: stop at 0.
- Colons to separate hours, minutes, seconds.
- Display format 1 = HH:MM:SS.

Use keys **0..9** to select a start value. This value will be always treated as a positive time, if necessary the input will be converted to get a plausible time value, e.g. 99 1:39, 99:99
1:40:39 ...

In case the key **START** is pressed at an input value = 0, the stop timer will automatically switch to **UP-counting**.

In case the key **START** is pressed at an input value > 0, the stop timer will automatically switch to **DOWN-counting**.

Using a programmable function key with function = **UP**, it is possible to count upwards with a start value >0, if the function key UP is pressed before key START. **DOWN**-counting with a start from 0 is not possible.

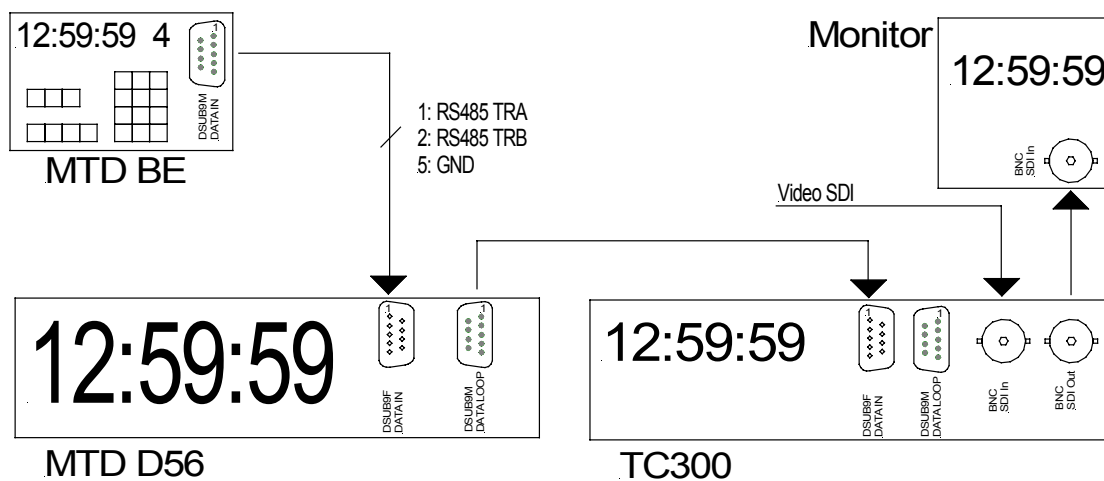
Functional description of keys HOLD, START, STOP and RESET:

- | | |
|--------------|---|
| START | Stop timer counts upward or downward. Resets the HOLD function. |
| STOP | Stop timer stops. Resets the HOLD function. |
| HOLD | Current time display freezes, clock continues counting internally.
Press HOLD again to refresh the time displayed. |

Special feature “Local Stop Timer with External Display/Inserter“

RESET Stop timer stops and is reset to zero.

Connections



Twist signals TRA (pin 1) and TRB (pin 2) in case of long cables.