GTDcommand:

This version is developed for all the applications, in which the user can program the sending unit (e.g. PC,SPS-control) by adapting to the text display.

For text insertion there are two kinds of sending data:
1. Sending of a special protocol structure, that allows sending characters in variable ways concerning length, number of characters / data fields.
2. Controlling the text display by sending of defined commands (positioning, clear screen) and the displaying of received characters.

In addition to the text insertion the real time clock can be set by sending a special string.

[1.]
>>> Protocol for text insertion up to 11 lines (Data fields) each including max. 40 characters.

Protocol structure:

```
<STX> xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx<CAN><US>      (line 1)
      xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx<CAN><US>      (line 2)
      xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx<CAN><US>        ...
      ....
      xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx<CAN><US>      (line 10)
      xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx<ETX>          (line 11)
```

xxxx: line1-11 (max. 40 characters)

STX:	0x02	Start trigger
ETX:	0x03	End trigger
CAN:	0x18	Field end if number of chars < 40 characters/line
US:	0x1F	Trigger for subsequent line

After receiving of a correct command an acknowledge (0x06) will be retransmitted!

>>>>>Important :<<

<ESC>'T'x: The timer of text insertion will be set to the value x [1...60 seconds]. After timeout of the period x (value range 0x31...0x6C) all sent characters will be cleared and the text mask will be build anew.
NOTE: This command will NOT take account of the defined data timer in the setup!
Only by receiving characters the data timer will be started (see below).

Important:
By receiving one display character the timer of text insertion will be started.
Example: By setting 'data timer' to 3 seconds the characters will be displayed after the last received data for 3 seconds.
After timeout they will be cleared and the actual cursor is moved to position 1 in row 1.
Setting the value of data timer on 0 seconds, the characters will NOT be cleared automatically.

Protocol time/date-setting of real-time-clock (text display):
<DC1>ddmmyyhhmmss<ETX>

DC1: 0x11
ETX: 0x03
ddmmyy: Date as day/month/year as ASCII-characters
hhmmss: Time as hour/minutes/seconds as ASCII-characters

After receiving of a correct string an acknowledge (0x06) will be retransmitted!

The corresponding-File is 'GTDcommand.bin'.