

*Timing*



ALGE-TIMING

PC-Timer

## Important Information

### General

Before using your **ALGE-TIMING** device read the complete manual carefully. It is part of the device and contains important information about installation, safety and its intended use. This manual cannot cover all conceivable applications. For further information or in case of problems that are mentioned not at all or not sufficiently detailed, please contact your **ALGE-TIMING** representative. You can find contact details on our homepage [www.alge-timing.com](http://www.alge-timing.com)

### Safety

Apart from the information of this manual all general safety and accident prevention regulations of the legislator must be taken into account.

The device must only be used by trained persons. The setting-up and installation must only be executed according to the manufacturer's data.

### Intended Use

The device must only be used for its intended applications. Technical modifications and any misuse are prohibited because of the risks involved! **ALGE-TIMING** is not liable for damages that are caused by improper use or incorrect operation.

### Power supply

The stated voltage on the type plate must correspond to voltage of the power source. Check all connections and plugs before usage. Damaged connection wires must be replaced immediately by an authorized electrician. The device must only be connected to an electric supply that has been installed by an electrician according to IEC 60364-1. Never touch the mains plug with wet hands! Never touch live parts!

### Cleaning

Please clean the outside of the device only with a smooth cloth. Detergents can cause damage. Never submerge in water, never open or clean with wet cloth. The cleaning must not be carried out by hose or high-pressure (risk of short circuits or other damage).

### Liability Limitations

All technical information, data and information for installation and operation correspond to the latest status at time of printing and are made in all conscience considering our past experience and knowledge. Information, pictures and description do not entitle to base any claims. The manufacturer is not liable for damage due to failure to observe the manual, improper use, incorrect repairs, technical modifications, use of unauthorized spare parts. Translations are made in all conscience. We assume no liability for translation mistakes, even if the translation is carried out by us or on our behalf.

### Disposal

If a label is placed on the device showing a crossed out dustbin on wheels (see drawing), the European directive 2002/96/EG applies for this device.

Please get informed about the applicable regulations for separate collection of electrical

and electronical waste in your country and do not dispose of the old devices as household waste. Correct disposal of old equipment protects the environment and humans against negative consequences!



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## 1 Keyboard

The Timy has a water-resistant silicone-keyboard. This keyboard is perfect for outdoor use. The keys are as big as the small device allows it and they have a perfect pressure-feeling.

    **Function keys:** Depending on the program these keys have different functions. The function is always described above the key in the LCD-screen.





**START/ON:** This key is used for manual start impulses and to turn on your Timy.



**STOP/OFF:** This key is used for manual stop impulses and to turn off your Timy.



**Printer:** This button is as paper feed button (only for model P and PXE). With the button  and  you get into the printer menu.




**2nd:** This button enables the 2<sup>nd</sup> function of many other keys.



**Menu:** With this button you get into the main-menu



**CLEAR:** Key to clear. Depending on the program you are using you need additional to the  key the red or green OK button to clear the desired time.



**Cursor:** With the cursor keys you can navigate through the menu.



**Green OK:** Mainly used to confirm the start numbers for the start side. But you can also confirm any menu functions with this button.



**Green OK:** Mainly used to confirm the start numbers for the finish side. But you can also confirm any menu functions with this button.

## 2 Getting started

### 2.1 Turn ON-OFF

#### 2.1.1 Turn on

- press the START-button, on the display appears „Really turn on?“
- press the green OK-button within 10 seconds,
- otherwise the Timy will switch off automatically.
- Choose with the cursor buttons the desired program and confirm with OK. Depending on the used program you have to follow the menu.
- See manual for your program.

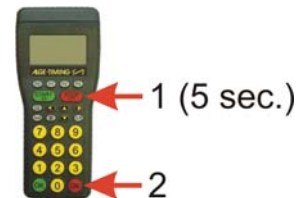


#### 2.1.2 Turn off

You can turn off your Timy in 2 ways.

##### Way 1:

- press the STOP-key for about 5 seconds, on the display appears
- "Really turn off?"
- press the red OK-button within 10 seconds,
- otherwise the Timy will switch back to the program-mode.
- 
- 



##### Way 2:

- press the 2<sup>nd</sup> key and the STOP-key, on the display appears
- "Really turn off?"
- press the red OK-button within 10 seconds,
- otherwise the Timy will switch back to the program-mode.



## 2.2 Menu

All standard menu settings are described in the general manual of the Timy. Please refer to the general Timy manual!

## 3 Program PC-Timer

The Timy with program PC-Timer is a very strong combination together with a PC. The Timy does the exact time keeping and transfers the this to the PC. The PC does only data processing.

The program PC-Timer has a RS 232 output of the running time every 1/10 second. If the Timy receives an timing impulse it outputs such data between the running time strings.

The impulse string includes time of day, a ID-number (continuous or input), and timing channel information.

Otherwise the Timy works as in program Backup.

### 3.1 RS 232 Interface

#### 3.1.1 Interface Data

RS 232 Interface

38.400 Baud (not adjustable!!!)

8 Data Bit, no Parity Bit, 1 Stop Bit

ASCII Characters

Output of running time in 1/10 second interval, between output of timing impulses.

B####bCxxbHH:MM:SS:zhtq(CR)      Impulse Time  
 HH:MM:SS.z(CR)                      Running Time

B..... blank  
 ##### ..... continuous ID number or BIB  
 Cxx ..... channel (see below, if only 2 characters the third is a blank)  
 HH ..... hours  
 : ..... separation  
 MM ..... minutes  
 SS..... seconds  
 z..... 1/10 seconds  
 h ..... 1/100 seconds  
 t ..... 1/1.000 seconds  
 q ..... 1/10.000 seconds  
 (CR)..... Carriage Return

**Channels:**

Channel 0	C0	Precision 1/10.000
Channel 0M	C0M	Precision 1/100 – manual = keyboard
Channel 1	C1	Precision 1/10.000
Channel 1M	C1M	Precision 1/100 – manual = keyboard
Channel 2	C2	Precision 1/10.000
Channel 3	C3	Precision 1/10.000
Channel 4	C4	Precision 1/10.000
Channel 5	C5	Precision 1/100
Channel 6	C6	Precision 1/100
Channel 7	C7	Precision 1/100
Channel 8	C8	Precision 1/100

### 3.1.2 Protocol of RS 232-Interface:

07:50:40.0		Running time in hours, min, sec, and 1/10 sec
07:50:40.1		Running time in hours, min, sec, and 1/10 sec
07:50:40.2		Running time in hours, min, sec, and 1/10 sec
0033 C0	07:50:40.2828 00	Impulse 33 from channel 0
07:50:40.3		Running time in hours, min, sec, and 1/10 sec
07:50:40.4		Running time in hours, min, sec, and 1/10 sec
07:50:40.5		Running time in hours, min, sec, and 1/10 sec
0034 C1	07:50:40.5015 00	Impulse 34 from channel 1
07:50:40.6		Running time in hours, min, sec, and 1/10 sec
07:50:40.7		Running time in hours, min, sec, and 1/10 sec
0035 C3	07:50:40.7863 00	Impulse 35 from channel 3
07:50:40.8		Running time in hours, min, sec, and 1/10 sec
07:50:40.9		Running time in hours, min, sec, and 1/10 sec
07:50:41.0		Running time in hours, min, sec, and 1/10 sec
07:50:41.1		Running time in hours, min, sec, and 1/10 sec
07:50:41.2		Running time in hours, min, sec, and 1/10 sec
07:50:41.3		Running time in hours, min, sec, and 1/10 sec
07:50:41.4		Running time in hours, min, sec, and 1/10 sec
07:50:41.5		Running time in hours, min, sec, and 1/10 sec
0036 C5	07:50:41.5175 00	Impulse 36 from channel 5
07:50:41.6		Running time in hours, min, sec, and 1/10 sec
0037 C4	07:50:41.6536 00	Impulse 37 from channel 4
07:50:41.7		Running time in hours, min, sec, and 1/10 sec
07:50:41.8		Running time in hours, min, sec, and 1/10 sec
0038 C6	07:50:41.83 00	Impulse 38 from channel 1
07:50:41.9		Running time in hours, min, sec, and 1/10 sec
0039 C7	07:50:41.94 00	Impulse 39 from channel 1
07:50:42.0		Running time in hours, min, sec, and 1/10 sec
07:50:42.1		Running time in hours, min, sec, and 1/10 sec
0040 C8	07:50:42.17 00	Impulse 40 from channel 1
07:50:42.2		Running time in hours, min, sec, and 1/10 sec
07:50:42.3		Running time in hours, min, sec, and 1/10 sec
0041 COM	07:50:42.40 00	Impulse, 41 Channel 0, manual
07:50:42.4		Running time in hours, min, sec, and 1/10 sec
0042 C1M	07:50:42.46 00	Impulse 42, Channel 1, manual
07:50:42.5		Running time in hours, min, sec, and 1/10 sec
0043 COM	07:50:42.57 00	Impulse 43, Channel 0, manual
07:50:42.6		Running time in hours, min, sec, and 1/10 sec
0044 C1M	07:50:42.66 00	Impulse 44, Channel 1, manual
07:50:42.7		Running time in hours, min, sec, and 1/10 sec
0045 COM	07:50:42.75 00	Impulse 45, Channel 0, manual
0046 C1	07:50:42.7661 00	Impulse 46 from channel 1
07:50:42.8		Running time in hours, min, sec, and 1/10 sec
0047 C1M	07:50:42.84 00	Impulse 47, Channel 1, manual
07:50:42.9		Running time in hours, min, sec, and 1/10 sec
0048 C1	07:50:42.9058 00	Impulse 48 from channel 1
0049 COM	07:50:42.94 00	Impulse 49 from channel 1

07:50:43.0		Running time in hours, min, sec, and 1/10 sec
0050 C1M 07:50:43.03 00		Impulse 50, Channel 1, manual
0051 C1 07:50:43.0321 00		Impulse 51 from channel 1
0052 COM 07:50:43.10 00		Impulse 52, Channel 0, manual
07:50:43.1		Running time in hours, min, sec, and 1/10 sec
07:50:43.2		Running time in hours, min, sec, and 1/10 sec
07:50:43.3		Running time in hours, min, sec, and 1/10 sec
07:50:43.4		Running time in hours, min, sec, and 1/10 sec
07:50:43.5		Running time in hours, min, sec, and 1/10 sec
07:50:43.6		Running time in hours, min, sec, and 1/10 sec
07:50:43.7		Running time in hours, min, sec, and 1/10 sec
07:50:43.8		Running time in hours, min, sec, and 1/10 sec
07:50:43.9		Running time in hours, min, sec, and 1/10 sec
07:50:44.0		Running time in hours, min, sec, and 1/10 sec
07:50:44.1		Running time in hours, min, sec, and 1/10 sec

### 3.1.3 RS 232 Commands

Syntax	Parameter	Example	Explanation	Description
BE	0 or 1	BE0 BE1BE?	Beep tone	Request, on/off
BWF		BWF	Update of program - RS 232	Afterwards update-file
USB-TIMY:BWF!!!!		USB-TIMY:BWF!!!!	Update of program - USB	Afterwards update-file
DIT1	00 - 99	DIT103 DIT1?	Display time 1 in display	Request, Set
DIT2	00 - 99	DIT299 DIT2?	Display time 2 in display	Request, Set
DTF	00.01 - 59.99	DTF00.03 DTF?	Delay time for finish and intermediate	Request, Set
DTS	00.01 - 59.99	DTS09.99 DTS?	Delay time for start	Request, Set
KL	0 or 1	KL0 KL1 KL?	Keyboard lock	Request, on/off
NSF?		NSF?	Timy version of program	Sends NSFV03B2
PRI_AF	0 - 9	PRI_AF3	Line Feed adjustment for printer	Printer AutoLineFeed 0 - 9
PRI	0 or 1	PRI0 PRI1	On, or. off from printer	Request, on/off
PRILF		PRILF	Line Feed for printer	Set
PRILO		PRILO	Print of ALGE-logo	Set
PRIM		PRIM	Printing of memory	Printing memory
RSM		RSM	Send memory through RS 232	Memory on RS 232
SL	0 or 1	SL0 SL1 SL?	Print of ALGE logo (switch on)	Request, on/off
TIMYINIT		TIMYINIT	Output of Timy hardware number	Not specified

