

TIDO

ALGE-TIMING

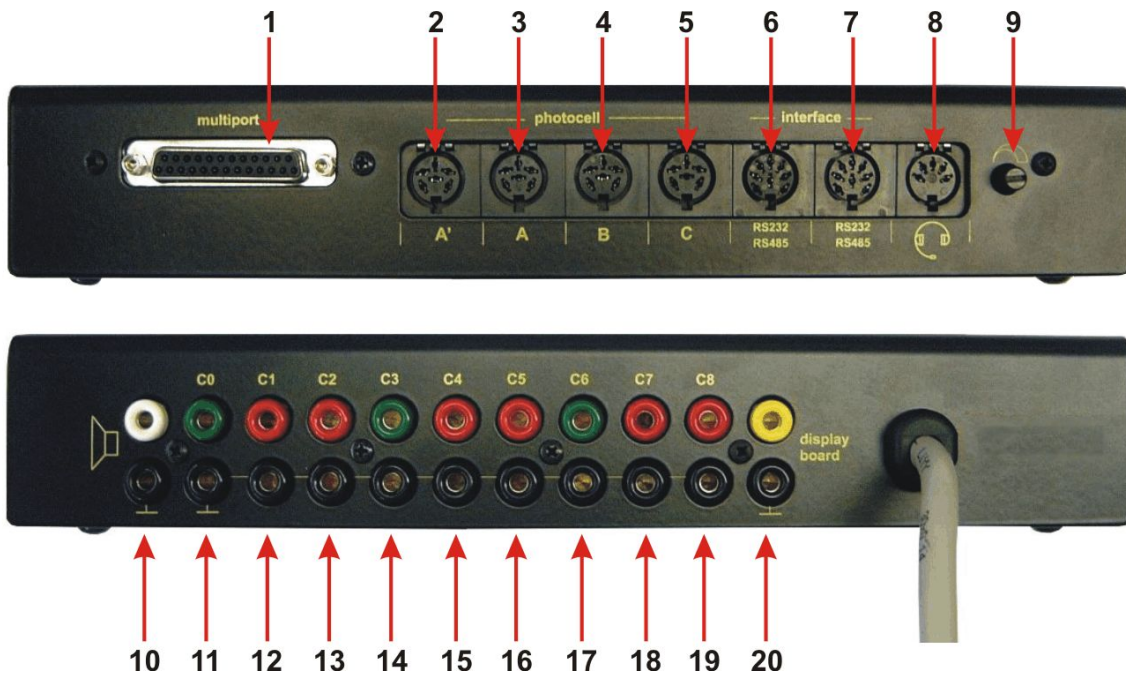


Manual

The TIDO will be connected to the Multiport of the Timy. The TIDO has all connections as sockets available that you only have on a TDC. Additionally the TIDO has a built-in speech amplifier that allows you to connect the headset for a speech connection to the start.

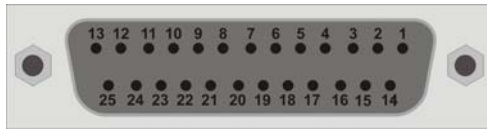
You have to use the TIDO for a fix cable installation, so you can connect the TIDO with the permanent wires all the time. When you arrange a race you just have to bring the Timy and connect it at the TIDO.

The TIDO has the following connections:



- 1 Multiport (same as TIMY, e.g. to connect the standard RS232 cable for the Timy)
- 2+3 DIN-socket for photocell with channel 0, 1, and 2 and power supply for photocell
- 4 DIN-socket for photocell with channel 3, 4, and 5 and power supply for photocell
- 5 DIN-socket for photocell with channel 6, 7, and 8 and power supply for photocell
- 6+7 DIN-socket for RS 232 interface (PC) and RS 485
- 8 DIN-socket for headset
- 9 Lever for volume of headset
- 10 Pair of banana socket to connect a speaker (output)
- 11 Pair of banana socket, channel 0, with speechamplifier
- 12 Pair of banana socket, channel 1, with speechamplifier
- 13 Pair of banana socket, channel 2, with speechamplifier
- 14 Pair of banana socket, channel 3, with speechamplifier
- 15 Pair of banana socket, channel 4, with speechamplifier
- 16 Pair of banana socket, channel 5, with speechamplifier
- 17 Pair of banana socket, channel 6, with speechamplifier
- 18 Pair of banana socket, channel 7, with speechamplifier
- 19 Pair of banana socket, channel 8, with speechamplifier
- 20 Pair of banana socket, display board output

Multiport (1)



Pin Out:

- | | |
|------------------------------------|--|
| 1..... Code for Terminals | 14 c1 Finish Channel |
| 2..... c0..... Start Channel | 15 c5 Timing Channel 5 |
| 3..... c2..... Timing Channel 2 | 16 c8 Timing Channel 8 |
| 4..... c3..... Timing Channel 3 | 17 c6 Timing Channel 6 |
| 5..... c7..... Timing Channel 7 | 18 c4 Timing Channel 4 |
| 6..... Data output for GAZ | 19 RS232 RTS |
| 7..... RS485B | 20 Data output for Printer |
| 8..... RS485A | 21 Speaker 8 Ω |
| 9..... CLK ..Clock for Terminals | 22 RS232 CTS |
| 10..... RS232 TX | 23 Output Voltage +7,5 to 14.5 VDC |
| 11..... RS232 RX | 24 Common Ground (GND) |
| 12..... Common Ground (GND) | 25 Input Voltage +8-15VDC |
| 13..... Output stab. Voltage (+5V) | |

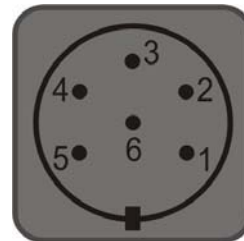
DIN-Plug for Photocells:

Pin Out for Photocell A and A´ (2 and 3)

- 1..... c0..... Start-Channel
- 2..... c1..... Stop-Channel
- 3..... GND .Common Ground
- 4..... +Ua ..Power supply input (8-15VDC)
- 5..... +5V ..stab. Voltage out (+5 VDC)
- 6 c2 Intermediate Time Channel

Pin Out for Photocell B (4)

- 1..... c3..... Start-Channel
- 2..... c4..... Stop-Channel
- 3..... GND .Common Ground
- 4..... +Ua ..Power supply input (8-15VDC)
- 5..... +5V ..stab. Voltage out (+5 VDC)
- 6 c5 Intermediate Time Channel

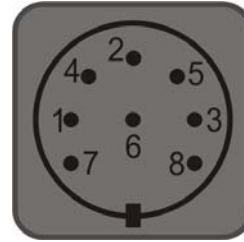


Pin Out for Photocell C (5)

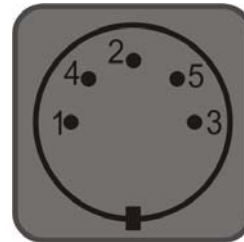
- 1..... c6..... Start-Channel
- 2..... c7..... Stop-Channel
- 3..... GND .Common Ground
- 4..... +Ua ..Power supply input (8-15VDC)
- 5..... +5V ..stab. Voltage out (+5 VDC)
- 6 c8 Intermediate Time Channel

Interface RS 232 and RS 485 (6 and 7):

- 1..... RS 232, Data TXD (transmit)
- 2..... RS 232, Common Ground
- 3..... RS 232, Data RXD (receive)
- 4..... RS 232, CTS
- 5..... RS 232, RTS
- 6..... RS 485, Line a
- 7..... RS 232, Output external supply
- 8..... RS 485, Line b

**Headset Connection (8):**

- 1 microphone of headset
- 2 common ground
- 3 loud speaker of headset
- 4 common ground
- 5 input channel 9

**Power Supply:**

The TIDO does not need a power supply or batteries. The TIDO can be supplied by the Timy directly. In case you want to have power supply output on pin 4 of the photocell DIN-connectors, than you need a external power supply at the TIDO. Suitable as external power supply is the **ALGE** power supply PS12 connected at one of the photocell DIN-sockets.