

7.3 Specialities for Rapid Fire

Every shooter in Rapid Fire disciplines uses 5 targets, which are called a bay. The RFP25 target system consist of 5 S25/50-LON targets, equipped with red/green signal lights and a time control unit TCU25.

7.3.1 How to set the control unit CU25.

For **Olympic rapid fire**, where one shooter shoots on **five targets, one lane has to be set as master**. The shooting program is selected only on this master device, which can be any of the five (normally the most left or most right one).

If you select the "Olympic rapid fire" shooting program on one control unit, this control unit is made automatically master. The four other control units select automatically the same shooting program and are configured as slaves.

Each slave control unit displays the result ,shot on it's target, on it's monitor and makes a printout, if a printer D931 is connected on selection turned on. The master control unit displays and prints out the all five shots and the total of them.

If during the green phase one or more targets don't receive a shot, the corresponding control units display and print out a zero.

7.3.2 How to set the time control unit TCU25

The TCU25 controls the signal lights used for two bays.Hits are only computed if shot during a green phase, if shot during a red phase the result is zero and the overtime is displayed and printed out (for example OT = 0.34s).

The long-hole measurement which is made on turning targets is compensated with additional 0.2s.

The brightness of the red/green signal lights can be regulated with the brightness-control pos. 1 and 3 on the next picture.

The switch „Master ON/OFF“ (not to confuse with „master of the control unit CU931) enables the TCU25 to be synchronised with the other TCU25.

If the program switch (pos.4) is in **position 0**, you can chose between program **menu 1 and 2**.

To choose program menu 1, press the start button once, as a confirmation the button blinks once.

To choose program menu 2, press the start button twice, as a confirmation the button blinks twice.

Any other position of the program switch is to select the shooting program, depending if menu 1or 2 is active.

For example in menu 1, program number 6 is the RFP (Olympic **R**apid **F**ire **P**istol, green 8 seconds, red 3 seconds).

To start the program press the start/stop button situated on the TCU25 (pos. 6.1 and 6.2) or press the external start button (article number: TCU25A501). The external start button is connected to the socket pos. 5.1 and 5.2.

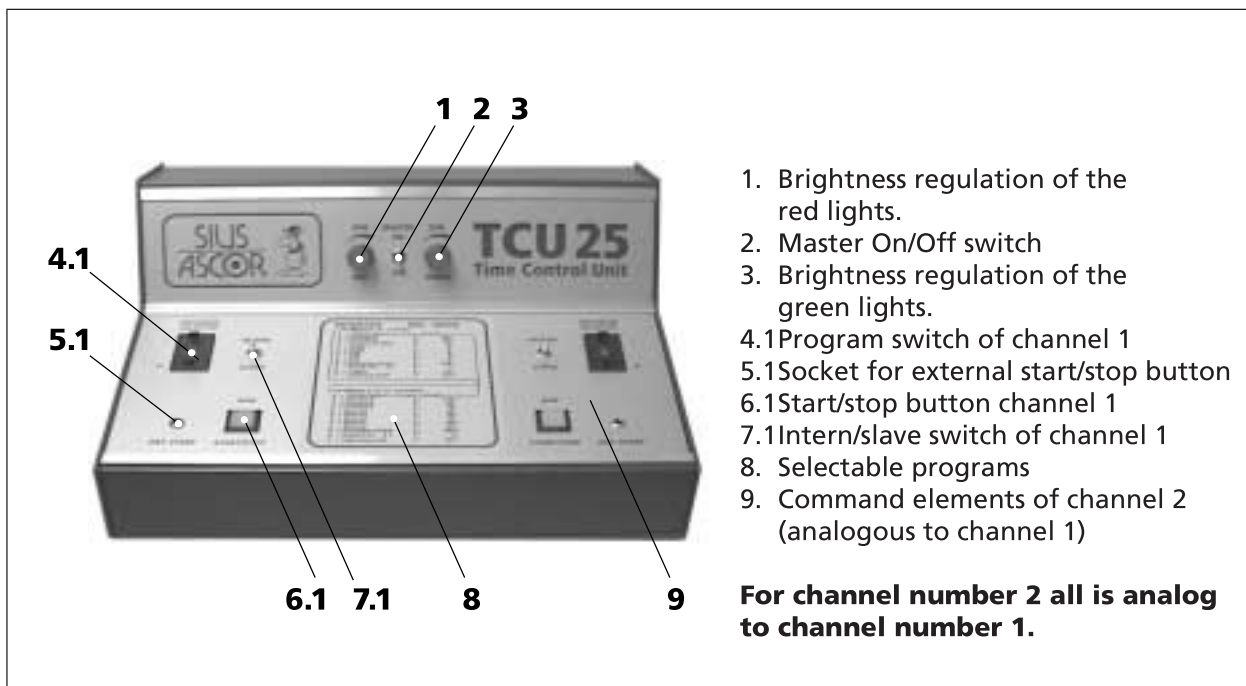
As soon as the start button is pressed, the red phase begins with the duration indicated on the table (pos.8). The start button is blinking.

After the red phase, the green phase starts, in which all the hits are evaluated. A red followed by a green phase is one round.

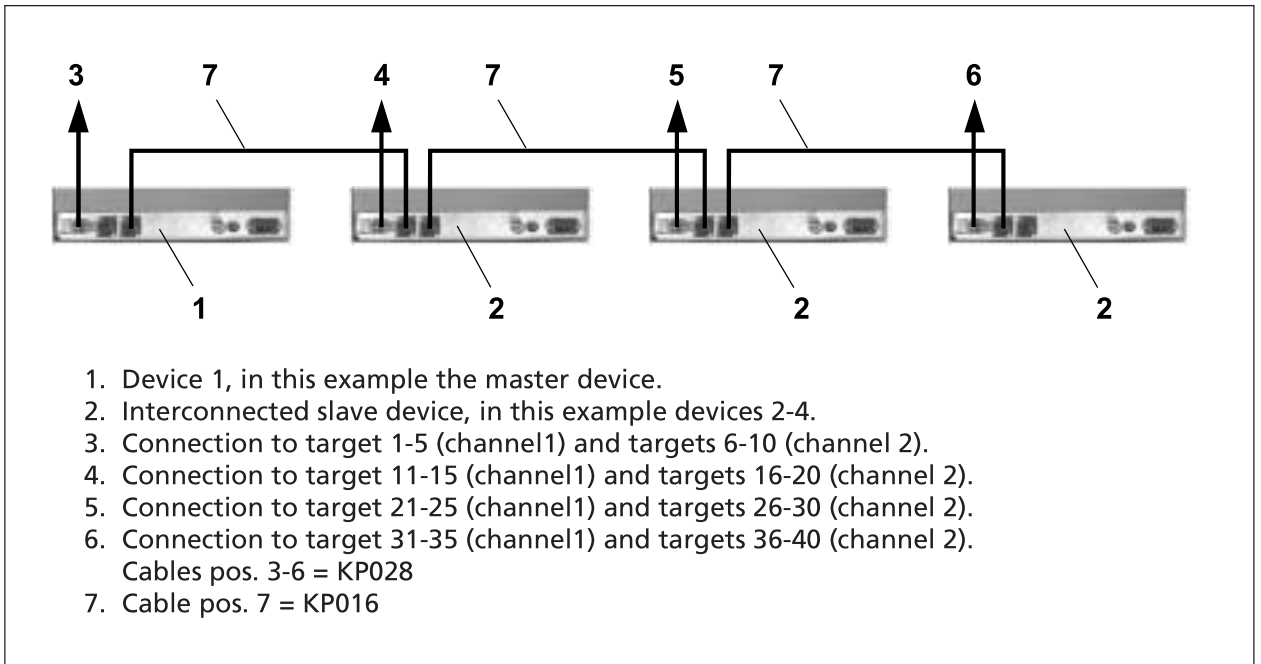
Programs with more than one round, go through them automatically.

After the last green phase the blinking of the start button stops and a 20 seconds long red phase starts after which the signal lights turn off.

By pressing the start button a second time the program stops and the signal lights turn off. To restart the program you have to wait for 3 seconds, after which you can simply press the start button again.



7.3.3 Synchronisation of several time control units



Switch position:

	Master On/Off	channel 1	channel 2
Switch number	2 *	7.1 *	7.2 *
TCU 1	ON	Intern	Slave
TCU 2	OFF	Slave	Slave
TCU 3	OFF	Slave	Slave
TCU 4	OFF	Slave	Slave

* = numbers according to picture in chapter 7.3.2 on page 66.

In this example all the all signal light from target 1 - 40 are controlled by the **first channel (= Master) of the first time control unit (TCU25)**.

If one bay (a set of five targets) has to be used separately, just turn the switch (pos. 7) of the corresponding TCU25 on position INTERN. Now this channel can be programmed differently than the other, still synchronised, time control units.