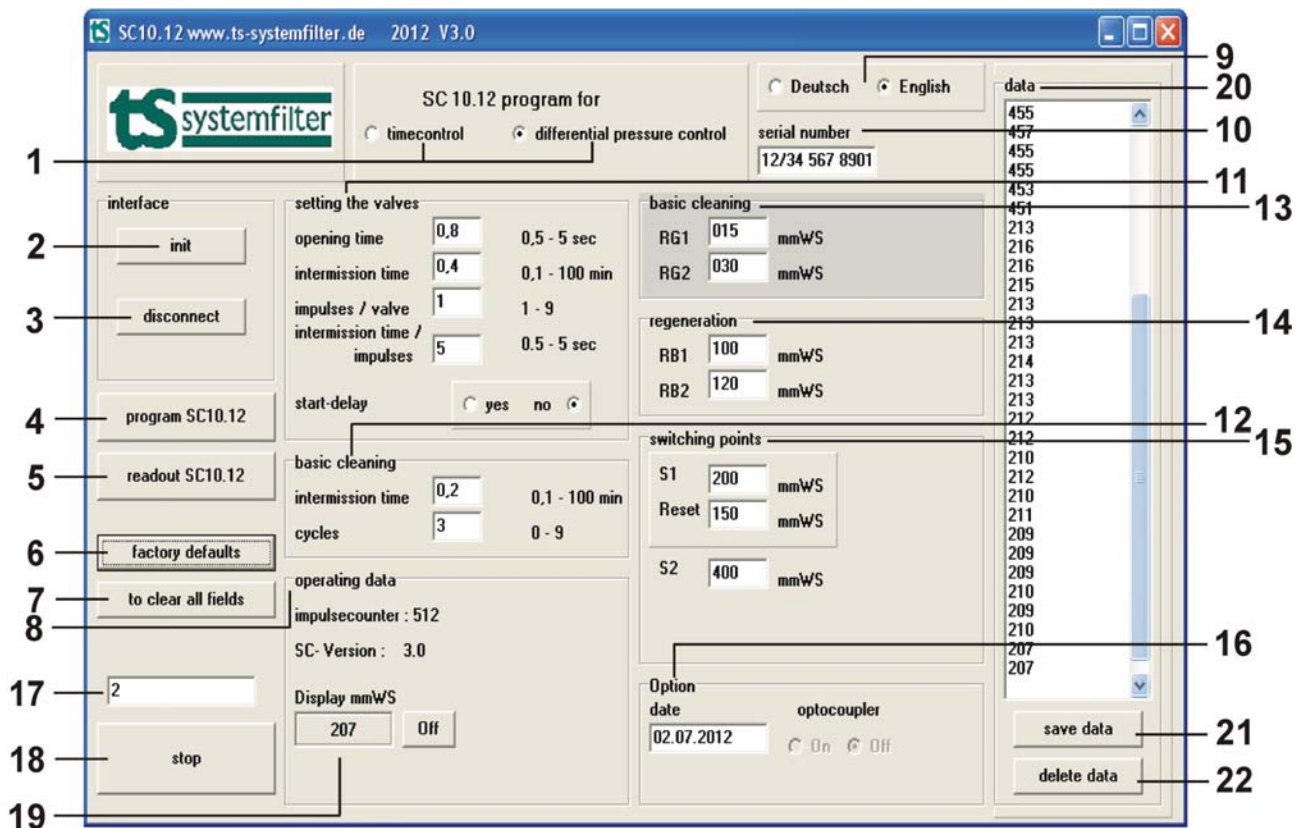


SC10.12 / SCD 10.12 [SE-Control unit]



illustrates factory setting of the version 3.0

Connect the control unit SC 10.12 (O) via the COM-Port RS 232 to the computer. You can also connect the COM-Port per USB-input with our 9-pole adapter USB/RS-232, (our article-no. 50 729). For readout and adjustment of the control unit SC 10.12 the power supply must rest against it.

You can readout the **control unit SC 10.12** and the **control unit SCD 10.12** using the program **SCD1012-V3.0.exe** This version is compatible to the previous versions of the control unit SC 10.12.

The control unit features an automatic **valve identification** which registers the existent valves when the power supply is connected. Therefore is to be considered that all valves are connected before the control unit is supplied with power. Otherwise the valves can not be identified and can not be registered!

You'll find more information in our documentation: „EL-SC 10.12“ and „EL-SC10.12-Wartung“-maintenance

1 SC 10.12 program for

Programming as a time control or differential pressure control. When time control is selected the positions 13, 14 and 15 are not active and not selectable.

2 Init

further submenu
selection of the interface RS232, D-sub socket 9-pole (O)

3 disconnect

connect - disconnect
activates the connection between the control unit and the computer / clears the connection

4 program SC 10.12

transmits the keyed-in parameters to the micro processor (T)

5 readout SC 10.12

indicates the active settings

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- 6 factory defaults**
when you click this button the factory setting will be restored (see screen)
- 7 to clear all fields**
all input fields are set to zero
- 8 Operating data**
impulse counter: the number of the cleaning pulses since the reset of the permanent memory
SC-Version: indicates the version of the processor operating system
- 9 Deutsch – English:**
selection of the language “German” or “English”
- 10 serial number**
displays the serial number of the control unit (14-digit alphanumerical numbering)
- 11 setting the valves**
opening time: indicates the period when the solenoid valve is open (0,8 sec)
intermission time period from one triggered impulse to the next impulse. If the function “differential pressure control” has been selected the cleaning starts or stops automatically when the filter resistance (differential pressure) is equal to the set programmed value.
impulses / valve: the number of the cleaning impulses per solenoid valve before triggering the next solenoid valve (multiple cleaning)
intermission time impulses: intermission time between the impulses – only at multiple cleaning
start-delay: the regeneration starts after the intermission time
- 12 basic cleaning**
intermission time: intermission between the impulses in the basic cleaning-mode
cycles: number of cycles in the basic cleaning-mode (1 cycle = triggering of all connected solenoid valves)
- 13 basic cleaning (switching points)**
RG 1: switching threshold – the basic cleaning starts if the value falls below the switching threshold
RG 2: upper value of the switching threshold – the basic cleaning ends when this switching threshold is reached.
- 14 regeneration**
RB1: switching threshold – the regeneration of the filter elements stops if the value falls below the switching threshold
- RB2:** switching threshold – the regeneration of the filter elements starts if the value exceeds the switching threshold. With an external switch the regeneration can be started independent of the differential pressure via the binders 17/18.
contact closed = regeneration starts,
contacts open = regeneration stops, basic cleaning starts if the differential pressure was adjusted below “RG 1” and at least to 1 cycle.
- 15 switching points**
S1: Freely adjustable switching point, affects the output S1 if the set value is exceeded (e.g. closes the pinch valve, the circuit pressure control NDM reacts, if the circuit pressure is too low)
Reset: freely adjustable value – resets the output “S1” if the value falls below the set parameter.
S2: freely adjustable switching point, affects the output S2 (measuring range 0 – 690 mmWG)
- 16 Option (can be changed by the service personnel only)**
date: date of delivery
optocoupler: on-off: (changing the switching states of the outputs)
- 17 2**
Displays the string length of the transmission.
Possibilities: 2, 3, 91
- 18 stop**
End of the program and closing of the screen mask.
- 19 Display mmWS**
displays the actual value of the differential pressure in the clock pulse of 2 seconds
On/off: switching on or switching off the monitoring of the actual differential pressure
- 20 Data**
displays the actual value of the differential pressure in the clock pulse of 2 seconds since the display was switched on. 45 minutes can be displayed.
- 21 save data**
saves the value table of the position 20 “data”
- 22 delete data**
deletes the value table of the position 20 “data”
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