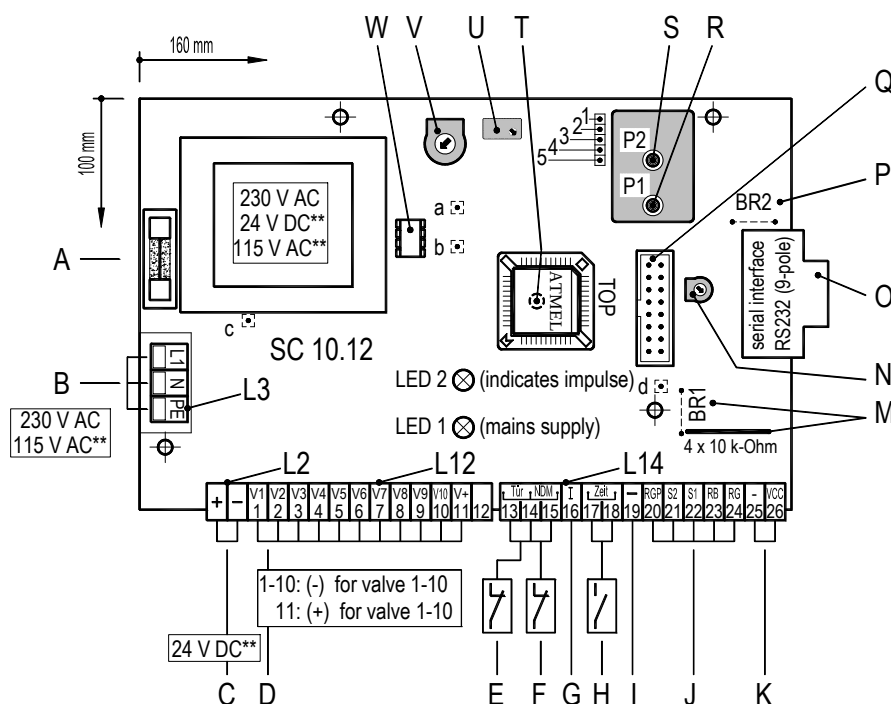


SC 10.12 / SCD 10.12 [Control unit]



Service			
1: U mess	a: TP 8 V =		
2: U ref	b: TP 5 V =		
3: GND	c: TP 24 V =		
4: T (+)	d: TP GND		
5: T (-)			

Adjustment

U	zero point adjustment
V	gradient adjustment
N	current output adjustment

0 mm WS
= 4 mA
= 0,25 V

100 mm WS
= 6 mA
= 1,05 V

mA measured between binder 16 and 26
V measured between Pin 1 (U mess) and 3 (GND)

Pos	Binder	Description
A		fuse F 200 mA, 250 V 5x20 mm
B***	L1, N, PE	mains connection 230 V AC , 40-60 Hz 25 W optional: 115 V AC, 40-60 Hz
C***	+, -	external 24 V DC connection, 20 W, only at 24 Volt input
D	1-10 11	(-) connections for valve 1-10; (power max 8W) (+) common connection for all valves
E	13, 14	external switch input , e.g. door contact, contact open = filter-regeneration stopped contact closed = filter regeneration active
F*	14, 15	external switch input e.g. circuit pressure control, contact open = alarm („S1“) at binder 22 contact closed = normal mode, no signalling
G*	16, 26	active analogue output 4-20 mA for signal Δp
H	17, 18	external switch input , contact open = regeneration of the filter in mode Δp , final cleaning R _G starts in time mode when selected contact closed = regeneration of the filter is active in the selected time mode
I	19	common GND at galvanically separated signal outputs 21 - 24 (when designed with optocoupler)
J*	20 21 22	digital signal outputs max. 1 mA, when designed with optocoupler max. permitted 10 mA final cleaning point RGP (0/24 V) alarm „S2“ (24/0 V) alarm „S1“ (24/0 V)
J	23 24	operation RB (24/0 V) final cleaning RG (0/24 V)

Pos	Binder	Description
K	25 26	output 24 V DC (e.g. for MSM-4) up to max. 100mA (-) GND (+) VCC
L		EL-plug
M		bridge and resistors are removed when designed with optocoupler
N*		current output adjustment
O		PC-connection – serial interface RS 232 D-sub socket 9-pole, configuration of the cable 1:1 to read in the operating data
P		bridge for voltage output 5 V for serial interface
Q		plug to adjust the operating system
R*		connection clean air: P1 (stream out), hose NW 4 mm
S*		connection dirty air: P2 (stream in), hose NW 4 mm
T		micro processor (drilled hole on the rear side to discharge the microprocessor)
U*		zero point adjustment of the pressure sensor
V*		gradient adjustment of the pressure sensor
W		EPROM - memory 8 Kbit

* = optional differential pressure supply

** = optional power supply

*** = Caution: power supply B and C can be connected and operated simultaneously.

Safety advice: $\Delta p = P2 - P1$, $P2 > P1$

Caution: Automatic identification of the valves, all valves must be connected before power supply is switched on!