

Variations:
 Type AS9.1
 Type AS9.2
 Type AS9.3

Control unit for 1 local electronic VE9/LW9.
 Control unit for 2 local electronic VE9/LW9.
 Control unit for 3 local electronic VE9/LW9.

Remarks:

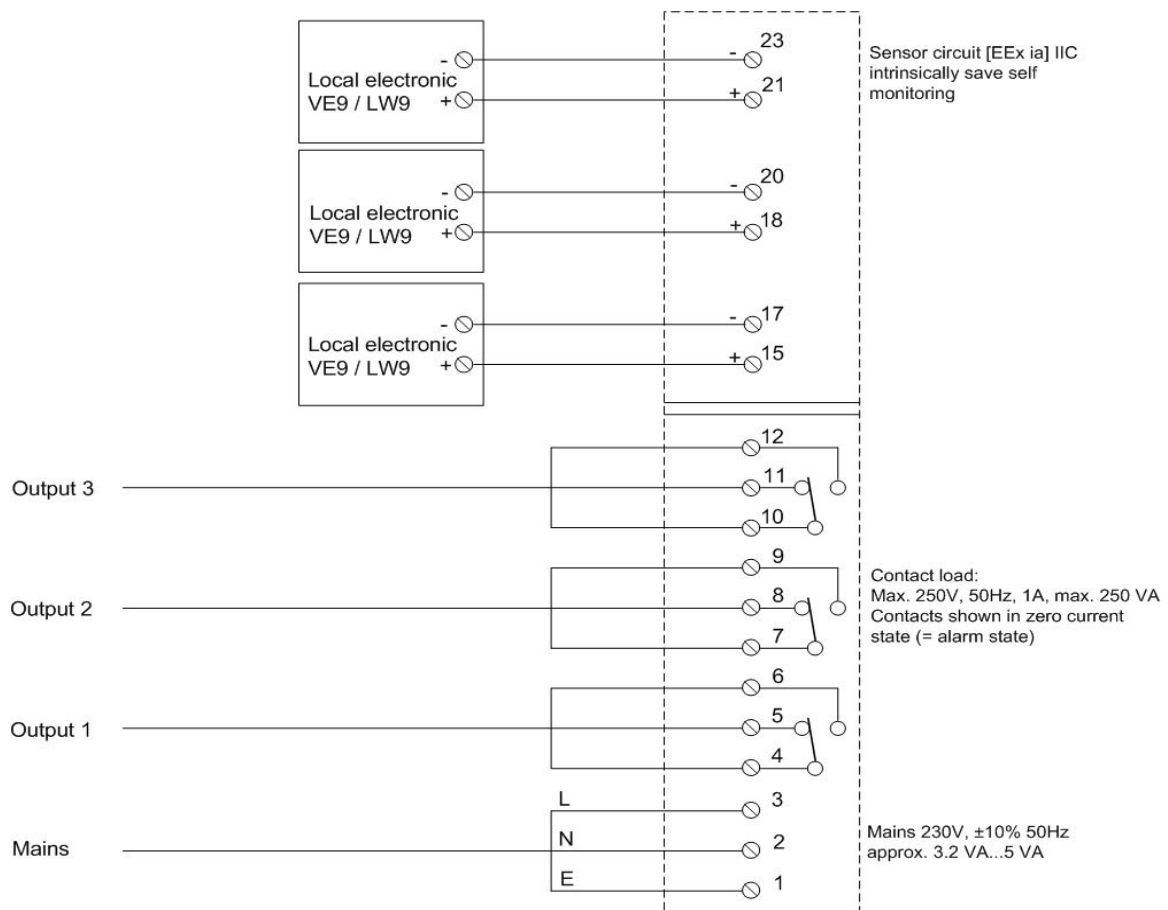
The control unit is to be installed outside the explosion-hazard area.

The sensor circuits are to be galvanically separated from all other electrical circuits up to a maximum nominal voltage value of 375V.

The highest permitted ambient temperature is +40°C.

The control unit is only designated for operation with Aquasant® sensors.

Connection diagram:



Local electronic VE9 to sensors type AF..

Assessment circuit: $U_i = \leq 7.2V$, $I_i = 133 \text{ mA}$, $L_i = 0\text{mH}$, $C_i = 1.2\mu\text{F}$

For the operation with control AS9.., AS9-E24 or AN9..

Sensor circuitry: $U_o = 7.2V$, $I_o = 88\text{mA}$, $L_o = 3\text{mH}$, $C_o = 13.5\mu\text{F}$

Type of protection: IP65

Ambient temperature: -20°C to $+40^\circ\text{C}$

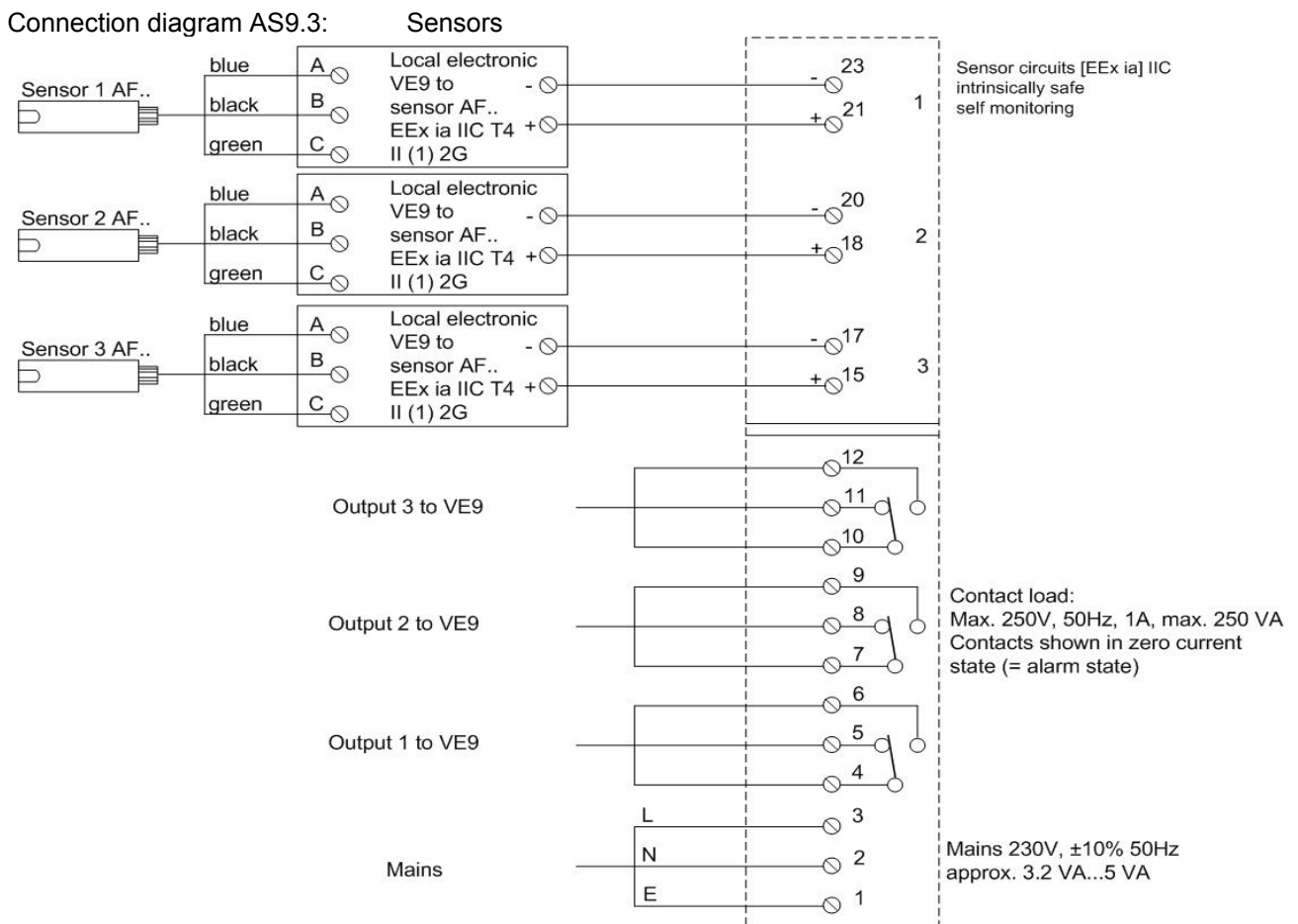
Ex-classification:: EEx ia IIC T4

Remarks: Local electronic of the VE9 type may, in accordance with SN-SEV 1000 (NIN), be used in zones 1 and 2, as well as in gas groups IIA, IIB and IIC, in which a hazardous situation exists on account of combustible materials in the temperature ranges T1 to T4.

Only sensors of the type AF.. which are connected to the local electronic VE9 may be used in zone 0.

The housing of the VE9 local electronic must be connected to the neutral, and connected with the tank containing the sensor in a manner that permits conduction.

Connection diagram AS9.3:



Local electronic LW9 to conductiv probes LS..

Assessment circuit: $U_i \leq 7.2V$, $I_i = 133 \text{ mA}$, $L_i = 0\text{mH}$, $C_i = 1.2\mu\text{F}$

For the operation with control AS9.., AS9-E24 or AN9..

Sensor circuitry: $U_o = 11.2V$, $I_o = 12.03\text{mA}$, $L_o = 220\text{mH}$, $C_o = 1.84\mu\text{F}$

Type of protection: IP65

Ambient temperature: -20°C to $+40^\circ\text{C}$

Ex-classification:: EEx ia IIC T4

Remarks:

Local electronic of the LW9 type may, in accordance with SN-SEV 1000 (NIN), be used in zones 1 and 2, as well as in gas groups IIA, IIB and IIC, in which a hazardous situation exists on account of combustible materials in the temperature ranges T1 to T4.

Only probes of the type LS.. which are connected to the local electronic LW9 may be used in zone 0.

The housing of the LW9 local electronic must be connected to the neutral, and connected with the tank containing the sensor in a manner that permits conduction.

Connection diagram AS9.3: Conductiv probes

