

Operation Instructions

OAA-300-1...4

General approval for construction

Z-65.11-404, Z-65.13-405, Z-65.40-153, Z-65.40-191, Z-65.13-551, Z-65.40-552

Important safety instructions please read and note

A precondition for perfect, safe operation of the alarm indicator modules is proper transport, storage, mounting, correct installation and commissioning.

Only persons with the necessary technical knowledge and qualification may carry out this work. The pertinent safety regulations for the installation and operation of electrical devices must be observed.

When installing or if maintenance work be carried out disconnect the device before beginning. Operate the device only under the conditions which are defined in the technical data.

If the information in these instructions should prove insufficient, the manufacturer should be contacted.

1. Technical data

Supply voltage	230 V AC, optional: 115 V AC, 24 V AC/DC
Power consumption	Approx. 3 V A, 3 W
Ambient temperature	-20°C ... +60°C
Class of protection	IP65 in accordance with EN 60 529
Probe supply voltage	Max. 9 V AC, max. 10 mA, approx. 50 Hz
Input	Immersible probes (T-200 F/L) or cond. probes (EF../ELH..)
Outputs	1 isolated changeover contact per channel 1 isolated changeover contact external lamp (collective alarm) 1 isolated changeover contact external horn
Contact load of the output relays	Max. 250 V AC / 115 V DC; max. 500 V A; 3 A
Operating controls	„Quit“ button to acknowledge alarm „Test“ button for system test
CE-labeling	Low Voltage Directive (2014/35/EU) EMC Directive (2014/30/EU)
Indicators	See signaling table below
Settings	See settings table below

2. Signaling- and setting table

Signaling table			
LED	LED channel, 3-colored	Collective alarm	Horn
Mains OFF or input switched off	•	•	OFF
Operation, sensor connected	GREEN ☀	•	OFF
Line fault	RED ☀	☀ •	ON
Line fault acknowledged	RED ☀ •	☀ •	OFF
Fill alarm leakage alarm	YELLOW ☀	☀ •	ON
Fill alarm, leakage alarm acknowledge	YELLOW ☀ •	☀ •	OFF
Fault eliminated	GREEN ☀ •	☀ •	OFF
Eliminated fault acknowledged	GREEN ☀	•	OFF
LED off: •, LED on: ☀, flashing LED: ☀•			

Setting table	
Hex switch -1, -2, -3 or -4	Switch position
No sensor connected (not allocated)	0
EF... or ELH... (3kOhm)	1
EF... or ELH... (10kOhm)	2
EF... or ELH... (30kOhm)	3
EF... or ELH... (100kOhm)	4
T-200-F / T-200-L	D
Isolated NC contact	E

Input channels for electrodes (EF... or ELH...) are delivered with the setting 30kOhm.

3. System test

- Press the test button (possible only by sensors with test function).
- self-test of the OAA-300 and the signal circuits begins.
- The signal circuits are tested in succession.

Test ends = Status of the LED channel see above (signaling table)

Attention !!!

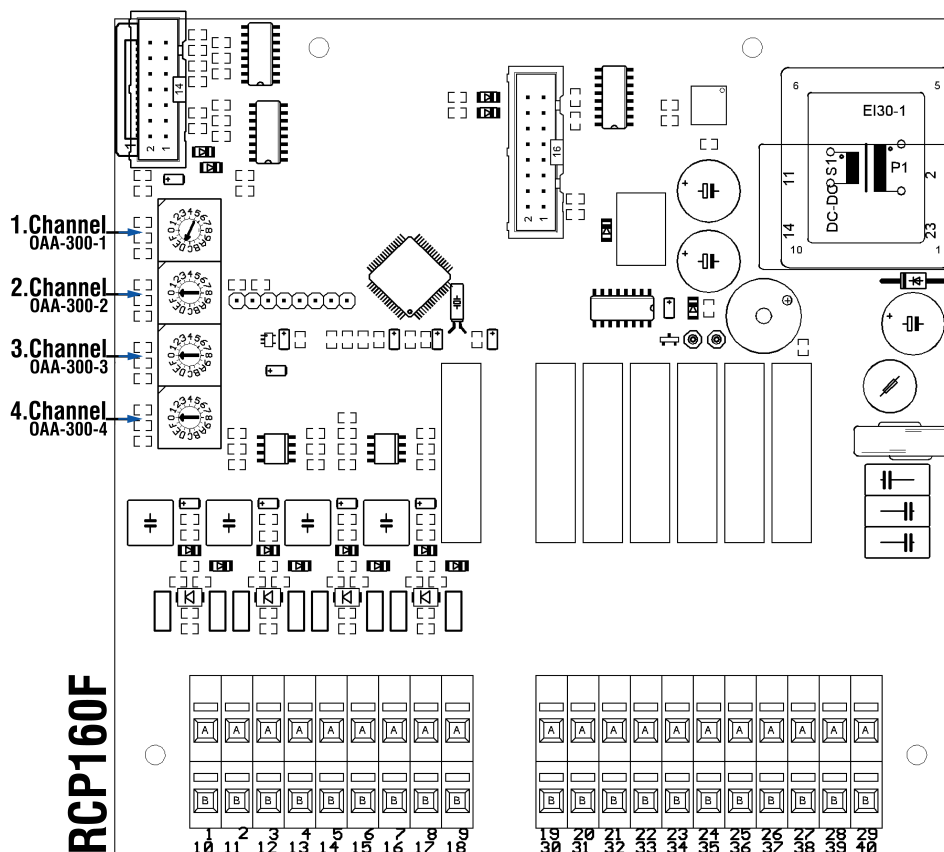
The functional test is not a substitute for regular annual functional checks in accordance with the authorization principles for overfill cut-out devices Ch. 6.2

4. Servicing / cleaning

- When used as intended the device requires no servicing. The internal fuse may only be replaced by the same model with the same value.

5. Assembly and commissioning

- Mount signaling equipment to a wall and connect the sensors according to the terminal connection diagram below.
- Connect signaling equipment professionally to the power supply. Authorized power supply, see identification plate.
- Open the device and set the sensor model to the respective channel switch; close the device again.
- Switch the power supply on.
- The self-test begins.
- The device and signal circuits are tested.
- The result of the test is displayed on the status LEDs (see signalization table).
- Unused channels (switched off – channel switch = 0) remain dark.
- If a probe is connected to an input which was previously unused, this is recognized when the power supply is next turned back on.



The main connection	28, 39 = PE	29 = L(+)	40 = N(-)
Output relay channel 1	19 = COM	20 = NO	21 = NC
Output relay channel 2	30 = COM	31 = NO	32 = NC
Output relay channel 3	22 = COM	23 = NO	24 = NC
Output relay channel 4	33 = COM	34 = NO	35 = NC
Output relay lamp	25 = COM	26 = NO	27 = NC
Output relay horn	36 = COM	37 = NO	38 = NC
Sensor 1		4 = E0	5 = E1
Sensor 2		13 = E0	14 = E1
Sensor 3		8 = E0	9 = E1
Sensor 4		17 = E0	18 = E1
Input Ext. acknowledgment	1.10 isolated contact		
<p>If there is an alarm, the horn may be switched off using the Quit button. Further alarm messages switch the horn back on. The collective fault lamp may first switched off using the Quit button when no further alarm messages are present.</p> <p>The alarm acknowledgment can also take place externally using an isolated contact.</p>			

6. Connection example / Dimensions

