

AHD 530

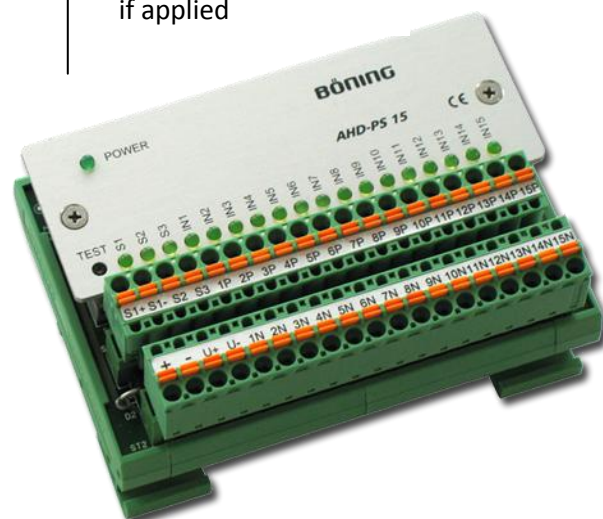
Alarm System with Serial Data Entry



- desk mount device AHD 530
- 72 mm x 144mm x 38mm installation depth
- nine illuminated and automatically dimmed measuring points
- is serially controlled by binary data station AHD-PS 15, data station AHD-SAS 15 or central unit AHD 882
- each message can be programmed as alarm or indication
- each message can block (release) any message

3 wires incl.
power supply

to next AHD 530,
if applied



- Binary data station AHD-PS 15 with 15 optocoupler inputs for profile rail installation (TS 32 or 35)
- Inputs 1 to 9 corresponding with text field 1 to 9 of AHD 530
- Device converts contacts or other switches into a serial output signal
- One or more AHD 530 can be connected by 3 wires incl. power supply

530messe.mcd

Meas. point no.	Measuring point text	Color of illuminated field	Opener	Shutter	Display	Alarm	Switch-on delay (1 - 60s)	Switch-off delay (1 - 60s)	Suppression (blocking) by input
1									
2									
3									
4									
5									
6									
7									
8									
9									

Measuring point list is to be filled out by customer.

General

The alarm system consists as a standard of a binary data station AHD-PS 15 and one or multiple alarm systems AHD 530. The binary data station is provided with 15 optocoupler inputs whose status is transformed into a serial output signal. By only one wire, the data are transferred to the alarm systems, which assign the inputs 1 to 9 to the measuring points 1 to 9. Free inputs 10 to 15 may be used for special functions (on demand).

Each message can be configured as normally closed or open input, with switch-on and/or switch-off delay between 1 to 60s and alarm or indication function. Additionally, each input can be blocked (released) by any other input.

Binary Data Station AHD-PS 15

The device was constructed for installation in a housing (e.g. terminal box). It is mounted on a profile rail (TS 32 or TS 35). The terminal blocks are pluggable. AHD-PS 15 transforms 15 inputs into a serial output signal. Thus, required wiring can be minimized.

Alarm System AHD 530

The device was constructed for control desk mounting. Underneath the front panel, there is a gasket. On top, the front panel is protected by a seawater- and UV-light-resistant foil. The message texts are displayed on a mutual film negative, which is inserted behind the foil. Each message will, when activated, be illuminated in a field with the dimensions of 38mm X 10mm. The text field illuminations are available either with red, yellow or green colour. By means of a photo resistor in the front panel, the text field illumination is dimmed automatically.

Alarms

An alarm is signaled acoustically by an integrated buzzer, and optically by flashing of the relevant message.

Messages

A new message does not activate the buzzer but shows steady light immediately without prior acknowledgement.

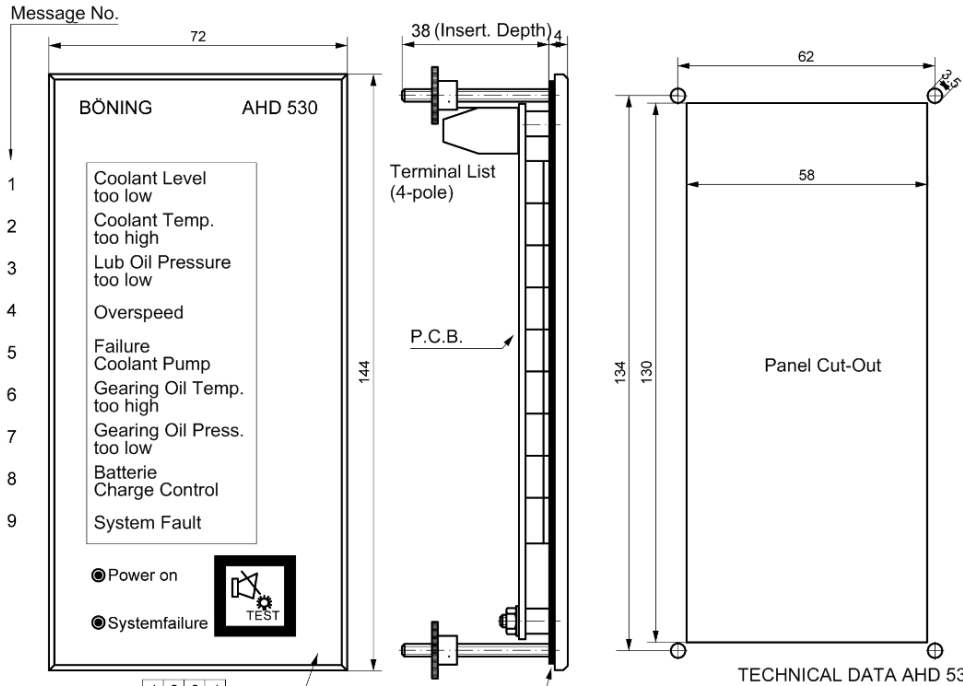
Audible and visual acknowledgement of alarms

First, an alarm is acknowledged audibly by pushing of the key. After releasing the key and pushing it again, the message is acknowledged visually and it turns into steady light. After clearance of alarm reason, the appropriate message turns off only after executed visual acknowledgement.

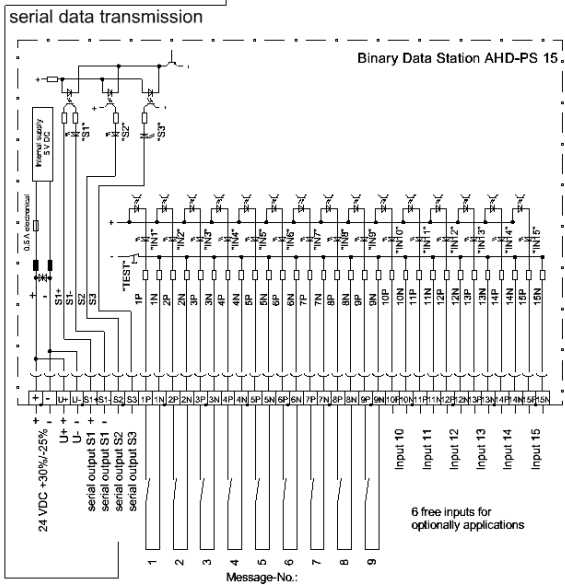
Lamp test

If there is no flashing message, keypress will to execution of „lamp test“ function. As long as key is pushed, all messages light up.

The device is programmed ex works according to the specifications in the measuring point list. Please find the relevant form within this documentation. Currently, changes, e.g. during commissioning, still make necessary exchange of the micro-controller. Menu controlled programming via notebook is projected.



TECHNICAL DATA AHD 530
 Power supply: 24 V DC +25%/-25%
 Current consumption: appr. 200 mA (24 V DC)
 Inputs: 1 x serial
 Outputs: 1 x serial
 Baudrate: 1200
 Degr. of protection: IP 20 (front, with cover IP 44)
 Weight: appr. 0.2 kg



TECHNICAL DATA AHD-PS 15
 Power supply: 24 V DC +30%/-25%
 Current consumption: max. 65 mA (24 V DC)
 Inputs: 15 x opto coupler input
 Outputs: 3 x serial with opto coupler
 Baudrate: 1200
 Degr. of protection: IP 20
 Weight: appr. 0.2 kg

