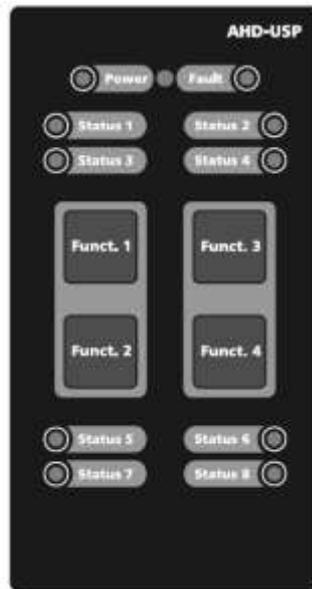


AHD-USP

Universal panel with LED indicators and buttons



- ***Compact, multi-purpose control panel***
- ***Bridge-compatible due to automatically dimmed illumination of the button elements***
- ***Device front with LED displays and buttons, the arrangement can be customized***
- ***8 relay outputs for output of control signals via button commands or CAN bus (e.g. remote control via panel PC)***
- ***8 optocoupler inputs for detecting external binary contacts (e.g. relay outputs, sensors or command transmitters)***

Function

AHD-USP is a universal control panel and can be used anywhere on a ship, including on the bridge or in the cabins. The device can be freely configured according to customer requirements. Combined versions with LED indicators and buttons as well as individual labeling can be created. If LED displays are not used, a maximum of 15 buttons are possible.

Pressing a button is sent to the CAN bus and can switch on a pump or cabin lighting in the ship's

The 8 output relays of the AHD-USP can be controlled via push-button commands or via the Böning CAN bus.

AHD-USP is suitable for use as a custom panel and can be used in projects with an "integrated bridge". This enables a uniform design with other Böning bridge components.

AHD-USP designed for installation in control desks and walls.

Views and dimensions

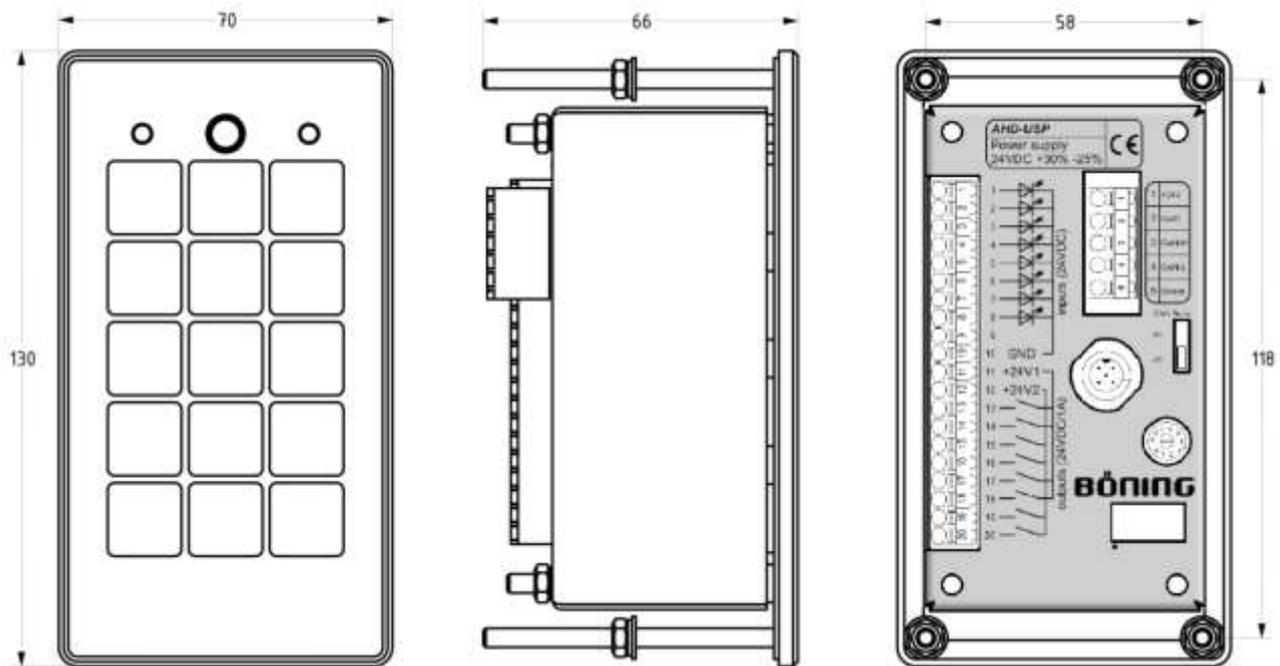


Fig. AHD-USP V2 (15 buttons without LED)
(Panel cutout = 60 x 110 mm)

Technical Data

Dimensions WxHxD	70 x 130 x 66 mm
Panel cutout	60 x 110 mm
Mounting	Console or wall mounting
Weight	ca. 0,35 kg
Ambient temperature	-25°C ... +75°C
Storage temperature	-30°C ... +85°C
Protection class	IP 56 (front side) IP 20 (rear side)
Power supply	24 V DC (+30% / -25%)
Current consumption	max. 130 mA (24 V DC)
Part number	Please request configuration!
Zulassungen	-

Interfaces	1 x CAN-Bus: - Lumberg - Terminal strip Activation of bus termination via switch 8 x optocoupler input (18...32 V DC), potential-free, common return wire 8 x Relay (24 V DC, max. 1 A) potential-free, 2 groups, each with a common return wire
Item no.	14439 - Universal panel - Special version (Configuration for thruster control)