

AHD-WOP V2 / AHD-DWOP V2

Whistle Operation Panel



- *Operation of signal horns or light signal devices on the bridge or other secondary control stands, even outdoors*
- *Intuitive operation with buttons, important signals can be called up directly in accordance with COLREG*
- *Manual output of any signals*
- *Remote control via CAN using visualized control elements on external panel PCs*
- *Weatherproof and robust for use on deck*
- *Dual version available for controlling two signaling devices*

Function

AHD WOP V2 and AHD DWOP V2 are control panels for controlling signal horns or light signaling devices. Operation is very simple and intuitive; both the output interval for cyclical signals and the signal form can be selected directly via several individual buttons. A manual signal can also be output at any time via a separate button.

The programming of the devices contains a selection of frequently used signals in accordance with the COLREG conventions (Convention on the International Regulation for Preventing Collisions at Sea). Among other things, the internal configuration is used to select whether the signal sequence for collision warning is issued for sea or inland waterway shipping (please specify when ordering).

Remote Control

AHD WOP V2 and AHD DWOP V2 have a CAN bus for remote control. If the device is integrated into a Böning system with panel PCs, it can alternatively be operated via visualized control elements.

In addition, several AHD WOP V2 / AHD DWOP V2 devices can be connected in parallel to control a common signal horn

Special features

The control panel is equipped with glare-free illuminated buttons. The brightness of the button illumination and the LED displays is automatically adjusted to the ambient brightness. The devices can be installed on the bridge or on secondary control stands in the outside area.

AHD WOP

AHD WOP V2 can be used to operate 1 horn and optionally an additional light signaling device. This is controlled directly via a separate button.

AHD DWOP

With AHD DWOP V2, two separate signal horns can be operated alternately. The horn to be controlled is switched with a button and the current selection (horn 1 or horn 2) is indicated by two LEDs.

Diagram AHD-WOP V2

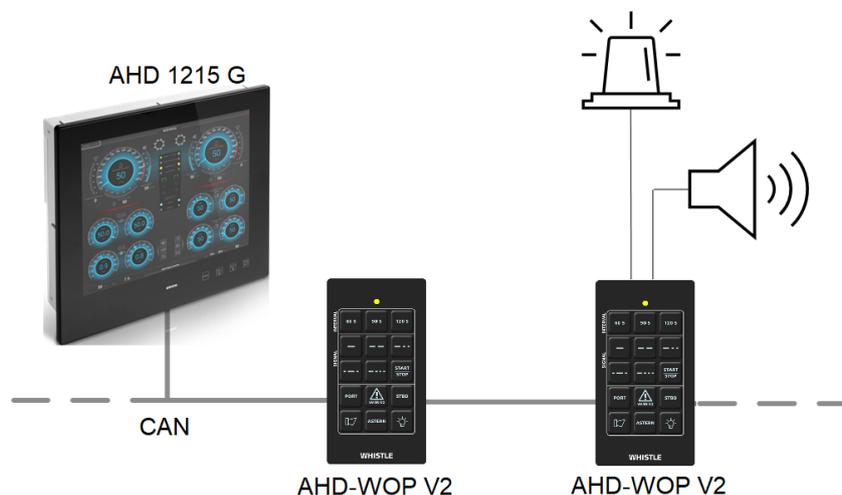
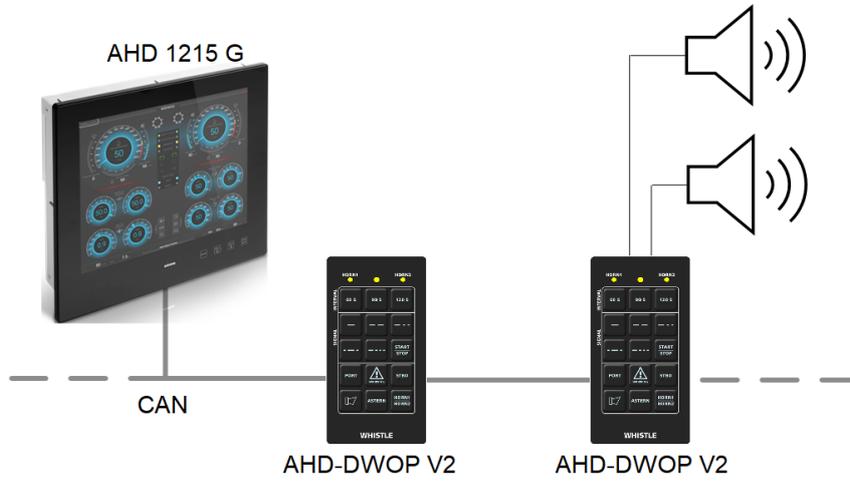
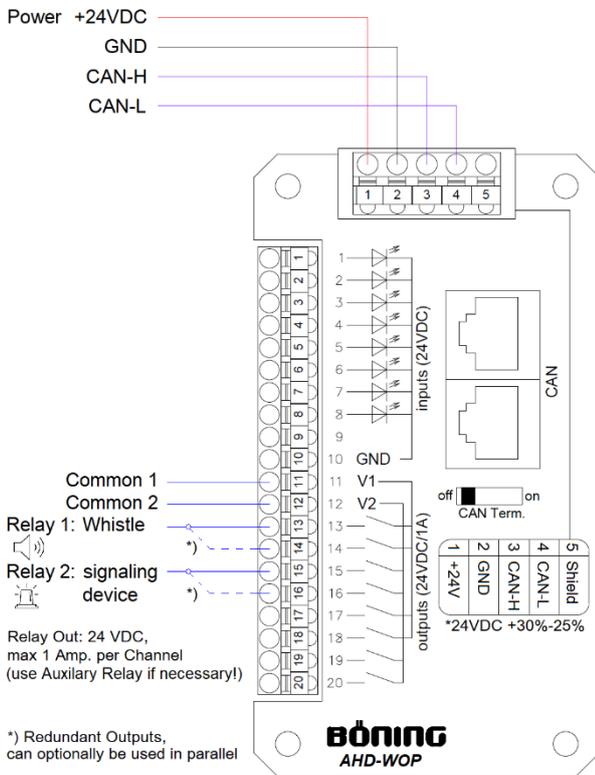


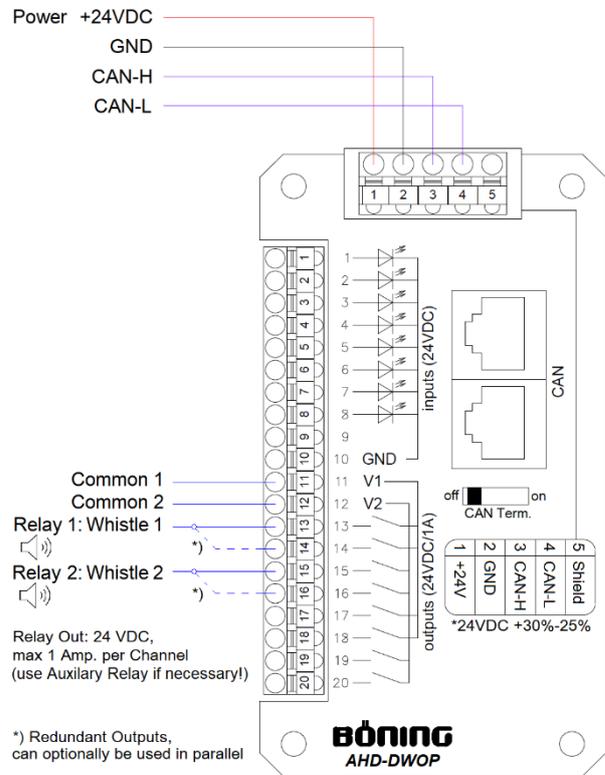
Diagram AHD-DWOP V2



Connection terminals



AHD-WOP V2

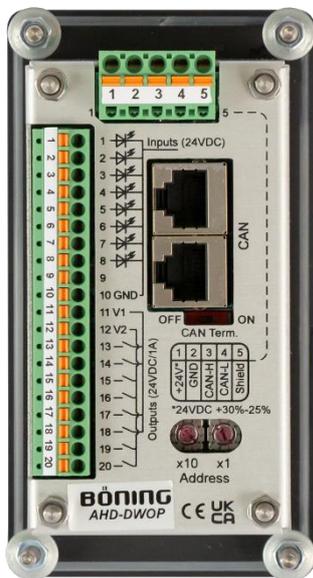


AHD-DWOP V2

Views and dimensions



Fig. AHD-DWOP V2
(Panel cutout = 60 x 110 mm)



Technical Data

Dimensions WxHxD	70 x 130 x 61 mm
Panel cutout	60 x 110 mm
Mounting	Console or wall mounting
Weight	ca. 0,25 kg
Ambient temperature	-25°C ... +70°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	ca. 100 mA (24 V DC)
Interfaces	1 x CAN-Bus: - RJ45 (IN/OUT) - Terminal strip Bus termination can be activated via switch
Outputs AHD-WOP V2	2 x switches (for horn and light signal device) 4 contacts each 24 V DC, max. 1 A 2 main circuits and 2 redundant circuits (each switching in parallel) <i>The contacts are potential free</i>
Outputs AHD-DWOP V2	2 x switching channel (for two horn devices) 4 contacts each 24 V DC, max. 1 A 2 main circuits and 2 redundant circuits (each switching in parallel) <i>The contacts are potential free, the return leads of the two switches are separated from each other.</i>
Part number	AHD-WOP V2: 22621 AHD-DWOP V2: 22615