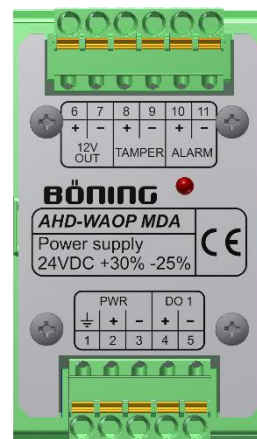


## **AHD-WAOP MD**

### **Motion Detector (BNWAS)**



AHD-WAOP MD



AHD-WAOP MDA

- **Accessory for security alarm systems in accordance with BNWAS**
- **Acknowledgment via motion detection**
- **For monitoring security patrols and bridge personnel**
- **Easy to integrate into existing systems**

The AHD-WAOP system components developed by Böning are used to set up a so-called Bridge Navigation Watch Alarm System (BNWAS).

The AHD-WAOP MD is a motion detector and offers an additional option for automatic acknowledgment of "BNWAS" watch alarm systems consisting of the base components AHD-WAOP / AHD-WAOP K.

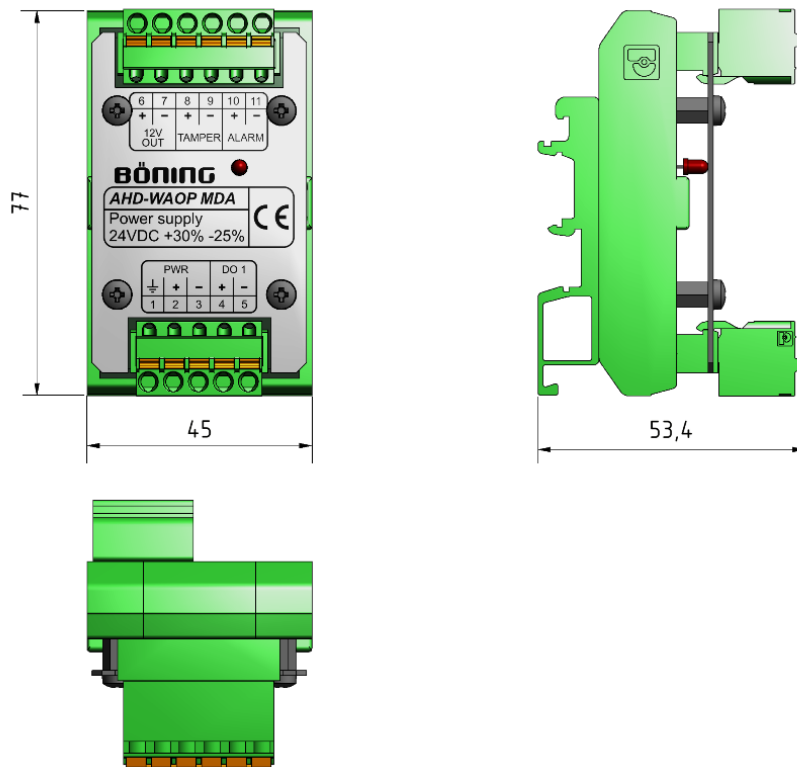
For example, security personnel can be monitored while on a designated watch, or bridge crews can be monitored for expected movements. If no movement is detected within a specified time period, an alarm is triggered.

The motion detector (illustration similar) is a dual-detection device that operates using both infrared and ultrasonic technology. This increases coverage reliability while minimizing false alarms.

In addition, the motion detector is equipped with a tamper-contact that triggers if the device is tampered with.

AHD-WAOP MD is supplied as a set with a suitable connection adapter, AHD-WAOP MDA, which connects directly to AHD-WAOP or AHD-WAOP K. The adapter is designed for mounting on a DIN rail in control cabinets and can therefore be installed separately from the motion detector.

## Dimensions AHD-WAOP MDA



### AHD-WAOP MD Technical Specifications

Power supply	24 V DC (+30% / -25%) via AHD-WAOP MDA
Current consumption	max. 26 mA
Ambient temperature	5°C...+40°C
Weight	65 g
Monitoring range	14 m / 90°
Protection class	IP 20
Dimensions (mm)	60 x 110 x 46 mm
Mounting type	Screw mounting, Wall mount
Output	2 x NC contact, 40 V 0.1 A (Alarm and Tamper)

### Technical Specifications AHD-WAOP MDA

Power supply	24 V DC (+30% / -25%)
Current consumption	Max. 250 mA
Ambient temperature	-15°C...+70°C
Storage temperature	-50°C...+85°C
Weight	Approx. 0.2 kg
Protection class	IP 20
External dimensions (mm)	45 x 53.4 x 77
Mounting type	TS 32 or TS 35 rail
Connections	AHD-WAOP MD: 1 x 12 VDC Out 2 x Inp. (Alarm, Tamper) AHD-WAOP / WAOP-K: Digital OUT (optocoupler)
Item No.	13224 (Set consisting of AHD-WAOP MD and AHD-WAOP MDA)