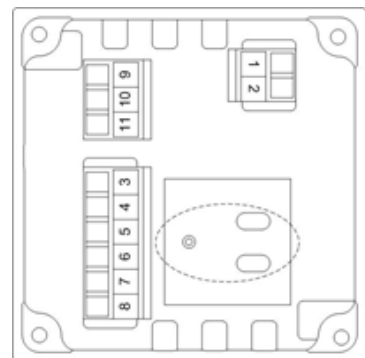
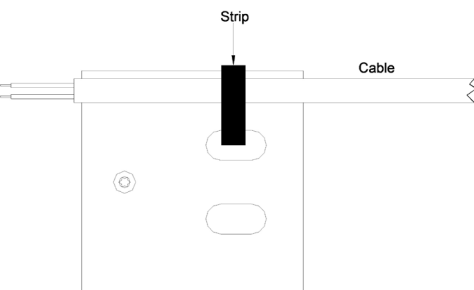


3. Wiring of CAN version

Pin number	Function	Note
1	Supply voltage	0 V
2		24 V
3	CAN connection	CAN 1 H input
4		CAN 1 L input
5		CAN 1 GND
6		CAN 2 H input
7		CAN 2 L input
8		CAN 2 GND
9	Illumination analogue dimmer	NC
10		Illumination GND
11		Illumination +



NOTE The plate shown at the arrow is for fastening the CAN cable by means of a strip. The strip is not included.

After power-up, the LED will flash once or twice, and then turn off. If the LED keeps flashing, there is no communication on the CANopen lines. Default setup of the Baud rate is 125 kbit/s.

NOTE The cable screen must never be connected to earth.

NOTE In case the communication is interrupted because of noise, connect the cable screen to terminal 5 and 8 for dual CAN on all instruments in the loop. Do not connect the two screens.

BW

Illuminated indicators

Quick start guide



Marine Instruments



4189350055-B

1. Mounting

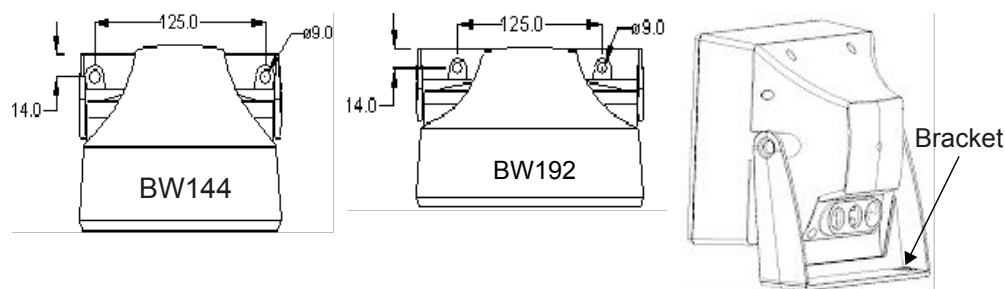
Model	Cable gland	Cable gland range
BW144	PG9	5.0 to 8.0 mm
BW192	PG16	8.0 to 14.0 mm

When the wiring is complete, remount the indicator in the bulkhead box. Mount the included gasket in the groove on the indicator frame with the rubber rim side facing into the groove. Use a Torx T10 long bit (50 mm).

Recommended torque for the eight screws: 0.8 N-m $\pm$ 0.2 N-m

One screw gasket must be applied to each screw.

To fix the indicator using the bracket, use two screws suitable for the mounting surface. These screws are not included.



Do not remove the front window protection until the installation has been approved by the class surveyor.

Warranty label

If this label is removed or broken, the warranty will be lost.

Power-up the first time

When the indicator is without power, the pointer position is random.

The indicator is equipped with an amber LED lamp in the lower corner of the scale area. After power-up, the LED will flash once or twice and is then turned off.

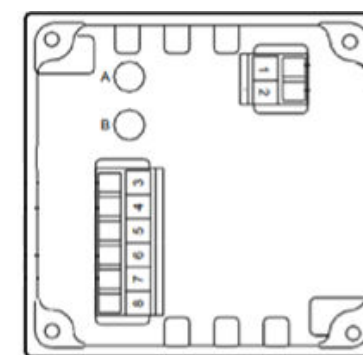
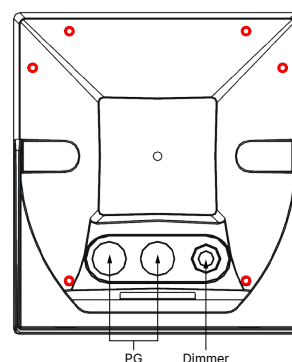
When power is applied, the pointer will be out of control for a few seconds. This is normal operation.

Analogue version: There is a maximum adjustment and a zero adjustment on the rear side of the indicator. These are normally sealed at delivery.

2. Wiring of the analogue version

Pin number	Function	Note
1	Supply voltage	0 V
2	Supply voltage	24 V
3		Input 1 (sin)
4	Analogue input	GND
5		Input 2 (cos)
6	Illumination	Illumination +
7	Illumination	Illumination GND
8	-	NC
A	Analogue adjustment	Maximum adjustment
B	Analogue adjustment	Zero adjustment

NOTE * GND is mutual for Inputs 1 and 2.



sCAN version

Setup: Special means for minimum, zero, and maximum setting of the pointer are provided. The pointer rotation direction can also be changed.

Dimmer wiring: If CAN dimming is used, there must be a supply connection to the dimmer circuit on pins 10 to 11. This is because the dimmer circuit is galvanically separated from the built-in power supply. A direct connection between terminals 1 to 10 and 2 to 11 will enable the illumination.

NOTE The CANbus must be terminated with a 120 Ω resistor at both ends of the line.