

Planar-B1/-B2 EX



The Planar-B1/-B2 EX offers all the advantages of the Planar-B and can be used without any problems in the offshore area in zones 1 and 2 where there is a risk of gas explosion. Extremely flat and light.

> Operating elements

Push buttons Planar-B1 EX	1 x On/horn 1 x Stop 16 x Single detent function
Push buttons Planar-B2 EX	1 x On/horn 1 x Stop 4 x Single detent function 6 x Two detent functions



> Technology

Multi-user system	NBB battery system	LBT frequency search	Data feedback	IECEX/ATEX

Technical data

> Technical information

Frequency range	434 MHz
RF power	≤ 10 mW
Typical working range	≤ 100 m (depending on environmental conditions)
Frequency channel search, automatic	LBT-Modus (listen before talk) (depending on country and function configuration)
Antenna	Integrated
Typical response time of the control commands	Approx. 20 ms
LF modulation method	FSK/GFSK
Baud rate (depending on customer requirements)	9600 Baud (Bit/sec.)
Ø Current consumption (depending on the expansion level)	Approx. 60 mA
Prewarning time „Battery empty“	Approx. 15 minutes
Data response (optional)	Customer specified information/feedback engines
Serial number mode (service case, device replacement)	Entry via buttons combination on the device (optional)
LCD/TFT display	1.2 inch monochrome display (128x64 px) with customized design
Energy saving function (stand by)	Standard: after 60 min. Optional: setting according to customer requirements (continuous operation possible)

> Machine data

Ambient operating temperature	-20 °C up to +40 °C
Weight	– Planar-B1 EX: 220 g – Planar-B2 EX: 220 g
Dimensions (L x W x H)	– Planar-B1 EX: 216 mm x 57 mm x 37 mm – Planar-B2 EX: 216 mm x 57 mm x 37 mm
Case material	Impact resistant glass fiber reinforced polyamide

> Equipment safety

CE certification	Yes
IP-Protection class	IP65
Data security	Addressing of each transmitter by unique bit combination
EMERGENCY STOP or STOP function	Yes (sending stop telegrams for 2 sec.)

> Power supply

Power supply	NiMH EX-battery (3.6 VDC/700 mAh)
Operating time	Up to 10 hours
Loading form	Externally, via a separate charger
Available for (UE)	230 VAC, 110 VAC, 12/24 VDC
Optional plug shape	EU, USA, JP, GB, AU