

Planar-D



The smallest button transmitter in the NBB portfolio is particularly impressive with its extremely flat design in breast pocket format. Particularly short charging time thanks to the charging tray.

> Operating elements

Planar-D1	1 x On/horn 1 x top 9 x Single detent functions
Planar-D2	1 x On/horn 1 x Stop 5 x Single detent functions 2 x Two detent function



Illustration contains optional equipment.

> Technology



Multi-user system



NBB battery system



LBT frequency search



Data feedback

Technical data

Technical information

Frequency range	419 MHz, 429 MHz, 434 MHz, 868 MHz, 915 MHz (depending on customer requirements and country-specific regulations)
RF power	≤ 1 mW, ≤ 10 mW, ≤ 25 mW (depending on frequency range and country-specific regulations)
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. 50 ms
LF modulation method	FSK/GFSK
Datarate	9,600 Baud (Bit/sec.)
Ø Current consumption (depending on the expansion level)	Approx. 60 mA
Prewarning time „Battery empty“	Approx. 15 minutes
Serial number mode (service case, device replacement)	Entry via buttons combination on the device (optional)
LCD/TFT display	7-segment channel/status display
Energy saving function (Standby)	Standard: after 60 min. Optional: Setting according to customer requirements (continuous operation possible)

Machine data

Ambient operating temperature	-20°C up to +70°C
Weight	160 g
Dimensions (L x W x H)	124 mm x 56 mm x 37 mm
Case material	Impact resistant, glass fiber reinforced polyamide
Status display (7-segment, depending on the configuration)	1x (1-digit)

Equipment safety

CE certification	Yes
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	2x AA/LR6/Mignon battery or accu
Operating time	Up to 30 hours
Loading form	Standard: Externally, via a separate charger Option: via wall mounted charging cradle
Charger available for (UE)	110 VAC–230 VAC, 12/24 VDC
Plug form AC (adapter set)	EU, USA, JP, GB, AU
Plug form DC	Car charger plug