

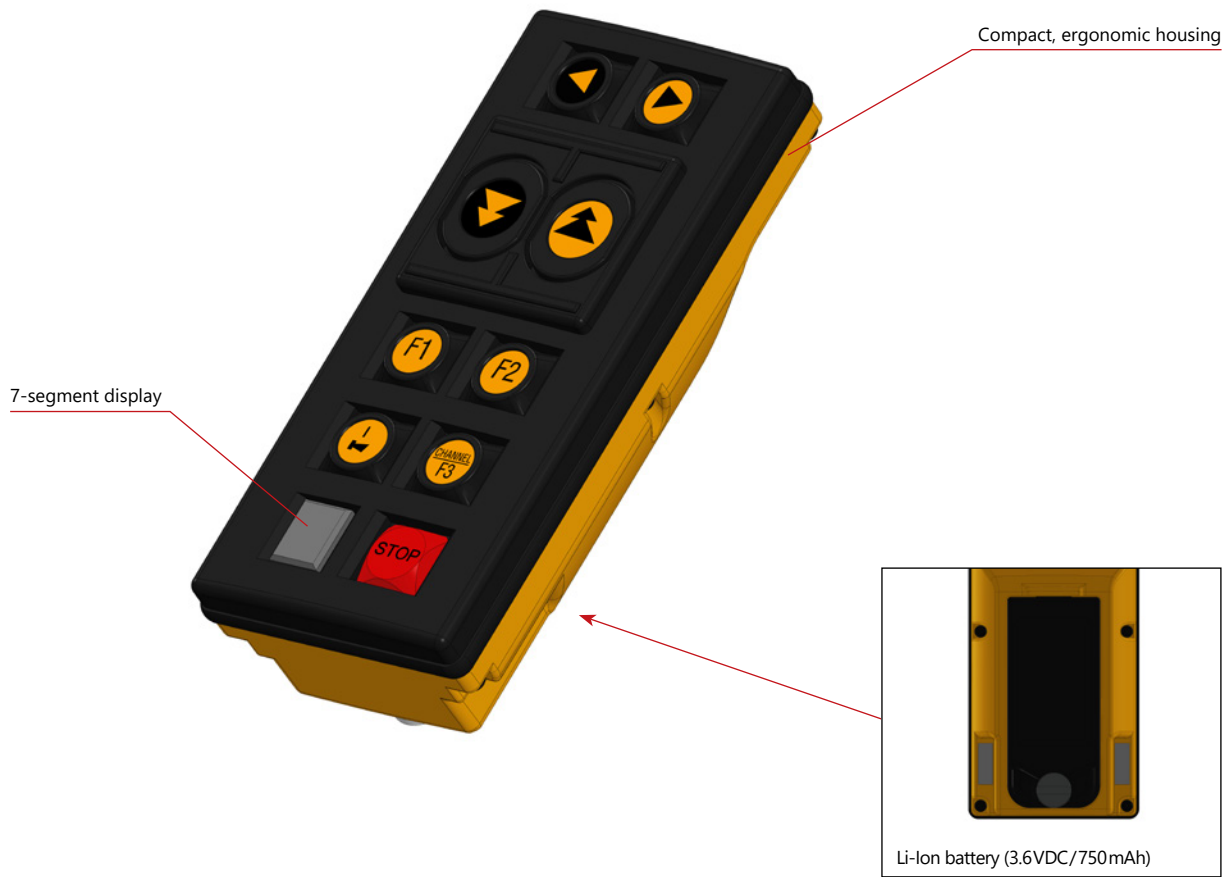
Planar-D



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

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



> Technology

Multi-user system

NBB battery system

LBT frequency search

Data feedback

Illustration contains optional equipment.

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. 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
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 (stand by)	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
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	– Option 1: NiMH battery (3.6VDC/750mAh), pluggable – Option 2: 2x AA/LR6/Mignon battery or accu
Operating time	– At Option 1: up to 12 hours – At Option 2: up to 30 hours
Loading form	– Externally, via a separate charger – Optional: via wall mounted charging cradle/charger by using a 3.6V battery
Available for (UE)	230 VAC, 110 VAC, 12/24 VDC
Optional plug shape	EU, USA, JP, GB, AU