

**FLEXIBLE  
IN ALL ITS  
SIMPLICITY**

**PANTHER**



# FLEXIBILITY IN ALL ITS SIMPLICITY

Worldwide use on 2.4 GHz

Customisation is easy especially when it comes to the Tele Radio **PANTHER** systems. These transmitters and receivers stand out by their ease of use and flexibility. **PANTHER** is deployed across the world and its customisation makes this system popular. Our range includes compact and robust hand held transmitters that are operating on the globally accepted frequency 2.4 GHz and operate up to 700 meters. Transmitters are available with 3, 6, 8 or 10 function buttons. The larger models have up to 12 function buttons. For maximum security there are also versions with 8 and 12 buttons that meet the PLd/CAT3 safety standards. The push buttons and LEDs are always adjustable. With **PANTHER** you opt for simplicity and reliability.



## ADJUSTABLE RANGE

The transmitter can be adjusted in such a way that it only starts or operates within a certain reach of the receiver. This ensures that the user stays near the machine he operates, or not. The range is adjustable in terms of minimum or maximum. This creates a safe zone in which all functions or just a limited number of functions is working. Even a circular range can be created, the donut range. No action near by, but only at a certain distance up to a certain maximum.

## USER PROTECTION

For work involving high risks, unauthorized use of equipment must be prevented. This also applies for the connected transmitter and receiver. Depending on the system there are several user protections. The transmitters can be protected by means of a PIN and/or a special start up procedure. In this case a predefined key combination has to be pressed.

## PLD SAFETY STANDARD

Within the Panther range there are versions available with performance level D (PLd) on the emergency stop (PN-T19-2 and PN-T29-12). The transmitters are suitable for applications with a high safety risk like hoisting and lifting. One should always be able to rely on the emergency stop. You are assured by the PLd certificate. The PLd transmitters are the most appropriate choice in case your machine or equipment also meets this high standard.



PN-T7-\*\*-



PN-T21-\*\*-



PN-T19-2



PN-T29-12



PN-R8-\*\*- / PN-R15-\*\*-



PN-R17-1 / PN-R18-1

## INFORMATIVE LEDS

With the informative LEDs on the transmitter you simply have all the status info of your transmitter and connected receiver. The multi coloured LEDs show the mode of the transmitter, the function that is switched on and the battery capacity. Depending on the type you have, the transmitter has 3, 5 or even 13 LEDs that are programmable. In this way the transmitter can be tuned to your personal needs.

## PROGRAMMABLE PUSHBUTTONS

For a customer friendly use the push buttons can be programmed to your own needs. The push buttons on the T7, T13 and T21 hand held transmitters switch through a membrane and have a long life time. The T17, T19 and T29 transmitters use mechanical push buttons. These are less delicate to dirt and ensure an extreme precise control. In both cases the durability is excellent.

## WIDE RANGE

Tests prove again and again that the Tele Radio transmitters have a massive range of more than 700 meters. Even under heavy conditions and with the smaller hand held transmitters. On request the receivers are available with an internal antenna which is less vulnerable or with an external antenna for the largest range, even when installed inside. The Panther system is by far trendsetting.

## ROBUST HOUSING

The transmitters and receivers have an ABS housing. ABS is light, strong, impact resistant and able to withstand high and low temperatures. The housing has an integrated protection rim or a separate rubber protection cover. The transmitters are protected against pushing and falling. The rim also prevents that buttons are pressed accidentally on a flat surface. Covers against heavy dirt are available as an accessory.

## ACCESSOIRES

A wide range of accessories is available for the Panther transmitters and receivers (see some examples right below). For example standard foils with hoist symbols, stands with or without charger, chargeable batteries, charging cables with cigarette lighter plugs, straps, covers etc. The accessories make the use of Panther in practise even more friendly and enjoyable.

## CUSTOM FOILS

Custom foils can be delivered from 1 piece for the transmitters and receivers. These industrial foils withstand heavy use, discoloration and liquids. The foils can be printed with your own company colours, logos and fonts. They also have a safety function. The clear symbols are tailored to your specific process and avoid that mistakes are being made by you or your staff.



## The system

- Suitable for up to approximately 700 meters on the 2.4 GHz frequency.
- Worldwide use without license.
- Due to the use of Direct Sequence Spread Spectrum technology (DSSS) the Panther is almost fault-free.
- Has pre-defined functions, selectable through button combinations.
- Manually adjustable and if desired advanced functions can be programmed via USB.
- Also available with certified PLd safety level.

## The transmitter

- Light, robust and waterproof according to IP class 67.
- Available with 1-step push buttons, 2-step push buttons and an active emergency stop.
- Equipped with programmable LEDs for signal function.
- Adjustable to a continuously active signal between the transmitter and receiver for more safety.
- Possibility to secure via pin start up procedure or proximity detection.

## The receiver

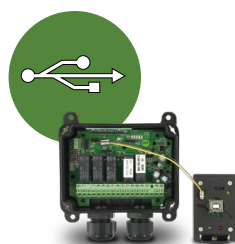
- Waterproof according to IP class 66.
- Available with internal antenna or external antenna connection.
- Has relays that can be set on hold function, pulse function, timed or sequential.
- Is able to process advanced programs and simple PLC functionality.
- Has the possibility to process input contacts.
- Can be equipped with fieldbus protocols like CAN bus.
- Expandable with additional modules for more functionality (e.g. 0-10V or 240V).
- Also available as very flexible and modular PLd receiver with various expansion boards.
- Optional a signal repeater/amplifier can be used (on the PLd receiver).
- Besides a compact "puck" receiver is available (PN-R27-01) specifically for Modbus communication.



PN2-R23-\*\*



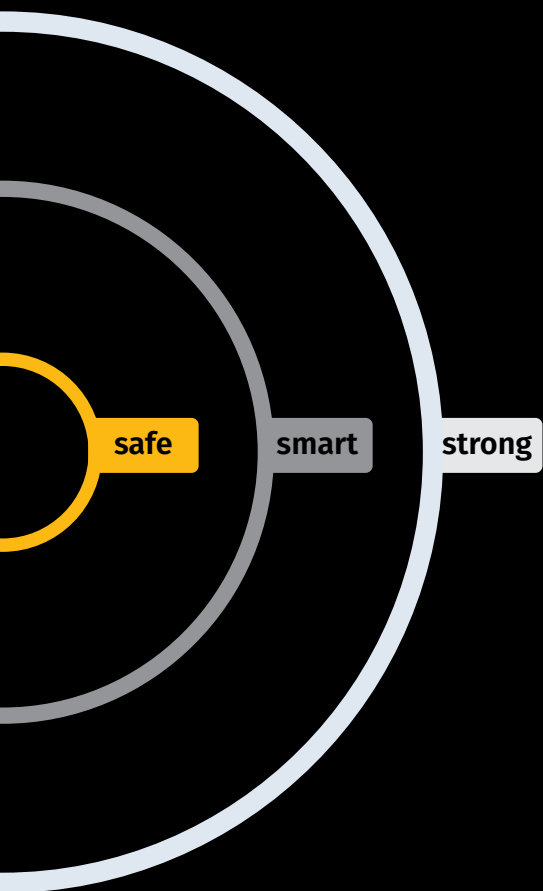
PN2-R23-\*\*



RECEIVER+D2-3  
SW-KIT / SETTINGS MANAGER



ACCESSORIES



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