

**NO
COMPROMISE
ON SAFETY**

PANTHER PLD

SAFE • SMART • STRONG



NO COMPROMISE ON SAFETY

Independently certified

The Tele Radio **PANTHER** PLD systems, are especially designed for lifting and hoisting purposes. The systems meet the mandatory Performance Level d certification, equal to Safety Integrity level 2. Therefore the systems are suitable for work with high risks such as moving of heavy loads.

A PLd set is equipped with a variety of lifting, hoisting and crane configurations and the receivers are supplied with pre-wiring for lifting and hoisting.

Unique is the ability to pair the transmitter and receiver high in a crane from the ground floor level and to change the transmitter without opening the receiver or transmitter. This configuration is a clear example of the flexibility and user friendliness of our products. And the robustness



UNICODE FOR SECURITY

A unique code of the signal between the transmitter and the receiver is essential for the safety. This code can be set manually. The same counts for a group code through which multiple transmitters can control a single receiver. Manufacturers can set their own code for end users. Also part of the user safety is Tele Radio's own software and the Direct Sequence Spread System.

MAXIMUM SECURITY

The transmitters have protection level IP65, the receiver IP66, with good resistant to dust and water. There is a continuous connection between transmitter and receiver, with self-control. There is a two-handed start-up and an emergency stop that is actively controlled. Other securities: the adjustable range, digital encoding of the transmitter and receiver, PIN security and buttons that are protected against unwanted pressing.

LIFTING & HOISTING CERTIFIED

The Panther PLD systems are your choice for certified hoisting and lifting where Performance Level d is needed. The product certification is done by the independent SP Technical Research Institute of Sweden and complies to PLd, category 3. This equals to Safety Integrity Level 2. This system is one of the sharper priced systems on the market. Besides this, the system can relatively cheap be expanded through software.

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 e.g. the master or slave selection of a crane and also it shows the battery capacity. The LEDs of the PLd can always be tuned to your specific lifting or hoisting needs.

ADVANCED CONTROL

The Panther systems include several 3 relays crane controls and can be fitted with standard cable control and plugs for various types of cranes and lifting equipment. In addition to the standard settings, advanced set ups are possible through a USB connection with a personal computer. A separate programming kit is available at Tele Radio to set up the Panther PLd to your needs.

EASY TRANSMITTER CHANGE

Unique is the fact that the Panther PLd can easily be configured or replaced from the ground floor within your crane or hoist system. So no need to use a platform, which saves a lot of time. The use of the Panther PLd for lifting and hoisting was clearly one of the main items during the development of the Panther. From the pre cabled receiver to the standard lifting, hoisting and crane configurations within the system.

UNIQUE, MODULAIR RECEIVERS

Two modular receivers are available (one for cable connection and one with 24 pin HAN connector). They excel in functionality. They work on different voltages (AC/DC), have the possibility to connect an external antenna or signal repeater. In the housing there is space for expansion boards e.g. additional relays, digital input, Canopen/ J1939 etc.

ACCESSORIES

There are various accessories available for the Panther PLd. There are standard foils with hoist symbols. There are stands, chargeable batteries, charging cables, straps, covers etc. The accessories make the use of Panther in practice even more friendly and enjoyable.

ROBUST AND SAFE

The Panther PLd is used under severe conditions. The design is tuned to this purpose accordingly. The transmitter is crash proof and fitted with push buttons that are soldered on the PCB so that they don't break easily. With covers and straps, you protect the transmitter against dirt, bumping, and falling. All parts are separately available for the system.

CUSTOM FOILS

Can be delivered from 1 piece for the transmitter and receiver. These foils withstand heavy use, discoloration and liquids. They can be printed with your company colours, logos and fonts. Standard lifting and hoisting symbols make the use of the transmitter safer. Especially when used together with the special crane foils (see the image right below).



The system

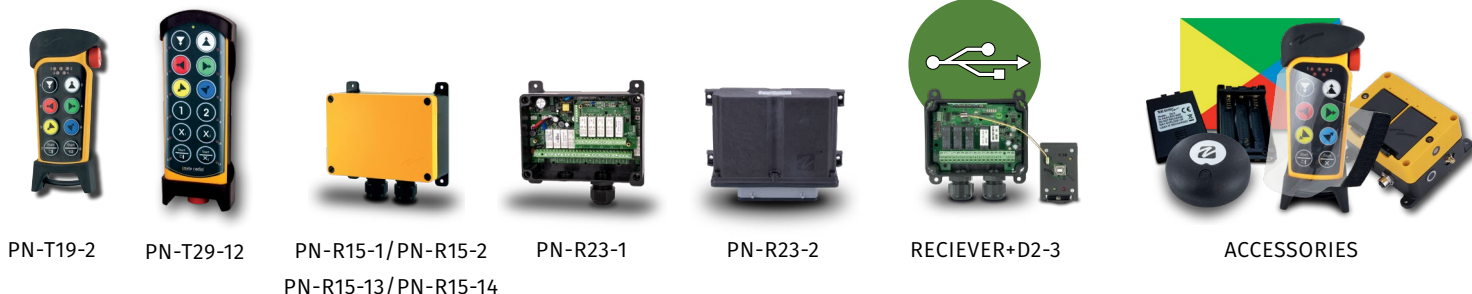
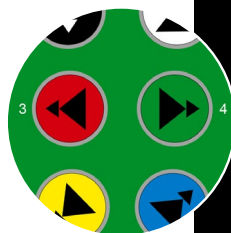
- Operates on 2,4 GHz frequency. Worldwide use without licence.
- Has pre-defined functions for lifting and hoisting which are selectable through button combinations.
- Settings can be done from the ground as well as changing of transmitters.
- Adjustable to a continuously active signal between the transmitter and receiver for more safety.
- Uses Direct Sequence Spread Spectrum technology (DSSS). The signal is divided in smaller bits over the frequency range resulting in less interference and a lower risk of interception.
- Can be programmed via USB for more advanced functions.

The transmitter

- Light, robust and waterproof according to IP class 65.
- Equipped with 8 or 12 2-step push buttons for two speeds and an active emergency stop.
- Equipped with programmable LEDs for example for the master or slave selection or the lifting or crane selection.
- Has the possibility to secure via pin code and/ or start up procedure.

The receiver

- Gives a signal when settings are made which jeopardize the safety.
- Has an internal antenna.
- Has relays that can be set on hold function, pulse function, timed or sequential.
- Is able to process advanced programs and PLC functionality.
- Is equipped with standard lifting and hoisting cabling for easy installation.
- Next to the standard receiver there are two extremely flexible and modular receivers available (PN-R23-1 and PN-R23-2) including one with 24 pin HAN connector.
- Two optional signal repeaters/amplifiers are available for the R23 receivers.



PN-T19-2

PN-T29-12

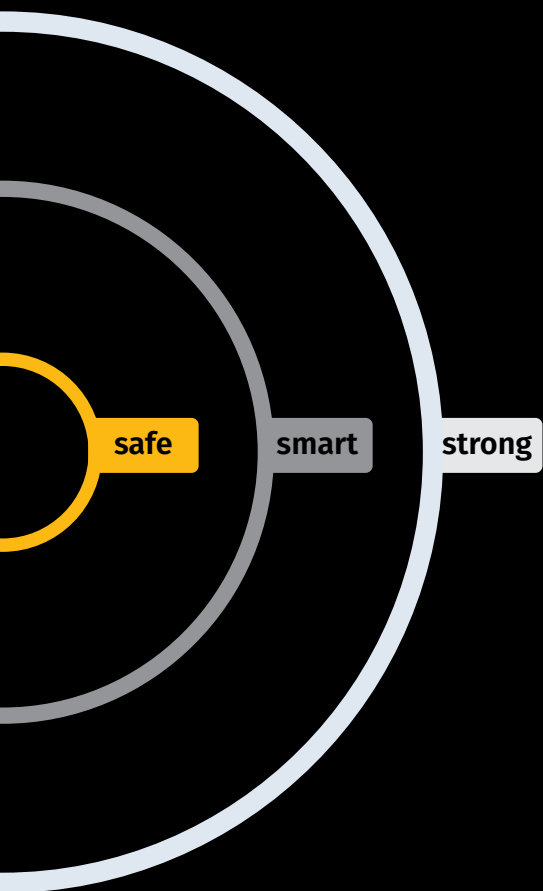
PN-R15-1/PN-R15-2
PN-R15-13/PN-R15-14

PN-R23-1

PN-R23-2

RECIEVER+D2-3

ACCESSORIES



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