



**Tele Radio develops**, manufactures and markets radio control systems for industrial use. With more than 50 years of experience we have solid knowledge and expertise within radio control systems.

**Panther is a 2.4 GHz**, widely approved remote control system. Developed to be used for a wide range of applications. The 2.4 GHz also lets the user operate machinery at a great range, up to 500 meters.

**We have developed** the software in Panther to be very configurable to accommodate our customers specific applications. This solution makes us able to offer a cost effective system that provides the customer with a unique system, tailored to their needs.



Products approved through:



Industrie Canada

www.telerradio.com



# PANTHER

2.4 GHz long-range radio remote control system

**TELE RADIO®**  
REMOTE CONTROL

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**TELE RADIO®**  
REMOTE CONTROL



**Our business concept** is to be an international growth company which is respected and has a good reputation in the field of application-designed remote control and communications.

**Our vision** is to surpass the needs of customers to remotely operate and/or communicate with their equipment effectively, easily and safely. This will be achieved by developing, manufacturing and marketing application-designed remote control and communications systems for industrial use.

LEPN/RX007-A03-EN



# PANTHER Features

- Panther operates at 2.4 GHz, and uses technology that allows for interference free operation of hundreds of systems without any customisation.

- Built in fail safe features, the transmitter sends a continuous heartbeat signal that will automatically shut down the system if it is not detected. If a transmitter is lost or broken any other transmitter from the same product line can be used as backup.

- The Panther PLd system is adaptable to virtually all standard overhead crane applications. One transmitter can operate four separate cranes independently.

- Our worldwide warranty covers material, design and manufacturing faults for a period of two years from delivery from Tele Radio Export AB.

- Panther offers unique configuration possibilities. The customer can decide which relay or relays to activate when a transmitter button is being pressed.

- Multiple transmitters can be allowed to communicate with the same receiver. Useful when several people need to control the same application. Altogether, Panther is our most flexible system. Ever.

- The transmitter buttons can be redirected to activate any relay or series of relays. Pressing just one button can start an almost unlimited chain of events, e.g. activates several relays with a specified amount of time in between.

- The relays can be assigned momentary or latching functionality, and can be set to interlock in any way that the customer wants. -"First win" or "more than one is none".

- The transmitter LEDs are programmable, for example to indicate if a function is activated or not.

- It is possible to get a customized foil or faceplate, useful when the customer wants to have specific symbols for your functions.

PN-T7-14



Frequency: 2.4 GHz, 16 channels  
 Battery: 2 x LR03  
 Weight: ~ 70 g incl. batteries  
 Dimensions: ~ 52 x 83 x 17 mm  
 Protection: IP67  
 Temperature: -20 to +55 °C

PN-T13-10



Frequency: 2.4 GHz, 16 channels  
 Battery: 2 x LR03  
 Weight: ~ 128 g incl. batteries  
 Dimensions: ~ 65 x 112 x 35 mm  
 Protection: IP67  
 Temperature: -20 to +55 °C

PN-T21-10



Frequency: 2.4 GHz, 16 channels  
 Battery: 3 x LR03  
 Weight: ~ 140 g incl. batteries  
 Dimensions: ~ 65 x 112 x 35 mm  
 Protection: IP67  
 Temperature: -20 to +55 °C

PN-T19-2



Frequency: 2.4 GHz, 16 channels  
 Battery: 3 x LR03  
 Weight: ~ 300 g incl. batteries  
 Dimensions: ~ 80 x 185 x 44 mm  
 Protection: IP65  
 Temperature: -20 to +55 °C

**CAT3 PLd**

PN-T17-8



Frequency: 2.4 GHz, 16 channels  
 Battery: Re-chargeable  
 Weight: ~ 295 g incl. batteries  
 Dimensions: ~ 76 x 160 x 37 mm  
 Protection: IP66  
 Temperature: -20 to +55 °C

PN-T17-12



Frequency: 2.4 GHz, 16 channels  
 Battery: Re-chargeable/exchangeable  
 Weight: ~ 400 g incl. batteries  
 Dimensions: ~ 76 x 210 x 37 mm  
 Protection: IP65  
 Temperature: -20 to +55 °C

PN-R18-[1 or 2]



**CANopen**

Frequency: 2.4 GHz, 16 channels  
 Power supply: 12-24V DC  
 Dimensions: ~ 54 x 96 x 37 mm  
 Protection: IP65  
 Bus system: CANopen

PN-R8-20



Frequency: 2.4 GHz, 16 channels  
 Power supply: 12-24V DC  
 Dimensions: ~ 121 x 117 x 51 mm  
 Protection: IP66  
 Relays: 1 relay 8A  
 2 x H-bridge 20A

PN-R8-[1 or 6]



Frequency: 2.4 GHz, 16 channels  
 Power supply: 12-24V DC  
 Dimensions: ~ 121 x 117 x 51 mm  
 Protection: IP66  
 Relays: PN-R8-1: 5 relays  
 PN-R8-6: 11 relays

PN-R17-1



Frequency: 2.4 GHz, 16 channels  
 Power supply: 12-24V DC  
 Dimensions: ~ 54 x 96 x 37 mm  
 Protection: IP65  
 Outputs: 4 transistor outputs

PN-R15-[2 or 8]



**CAT3 PLd**

Frequency: 2.4 GHz, 16 channels  
 Power supply: PN-R15-2: 48, 115, 230V AC  
 PN-R15-8: 24, 48V AC  
 Dimensions: ~ 121 x 117 x 51 mm  
 Protection: IP66  
 Relays: 2+10

PN-R15-[1 or 7]



**CAT3 PLd**

Frequency: 2.4 GHz, 16 channels  
 Power supply: PN-R15-1: 48, 115, 230V AC  
 PN-R15-7: 24, 48V AC  
 Dimensions: ~ 120 x 117 x 51 mm  
 Protection: IP66  
 Relays: 2+4

PN-R8-[3, 7 or 13]



Frequency: 2.4 GHz, 16 channels  
 Power supply: 12-24V AC/DC & 24, 48, 115V, 230V AC  
 Dimensions: ~ 176 x 126 x 75 mm  
 Protection: IP66  
 Relays: PN-R8-3: 9 relays  
 PN-R8-7: 19 relays  
 PN-R8-13: 14 relays

- All Panther systems have four billion possible code combinations. Combine many systems without radio interference.
- All products are CE-certified. Most are also FCC and IC certified.
- For complete technical details and data visit [www.teleradio.com](http://www.teleradio.com).