

Radio Crane Control Systems

Catalog 31.500 New Hubbell Radio Remote Control Systems

- 31.720 Compact Mid-Size Transmitter - CMSTX
- 31.730 Handheld Two-Speed Pendant Transmitter - PTX
- 31.740 Compact Receiver Module
 - 31.510 AC Radio System
 - 31.520 DC Radio System



Hubbell Radio Control Systems use the latest synthesizer technology and GFSK modulation. Each system also incorporates Listen Before Talk (LBT) transmission before communication is established. The radio system operates on a non-licensed frequency band of 433.10 - 434.75 MHz or 915 MHz. Typical operating range is up to 300 ft. line of sight.



31.720 Compact Mid-Size Transmitter - CMSTX

Data Feedback

- Range
- Transmitter signal strength
- Status of the function
- Customized data feedback information and logos on request

LBT Frequency Search

When switching on or when switching the frequency, a check is made to determine whether the frequency channel used is reserved by another transmitter. If this is the case, the next frequency channel is checked until it is ensured that the transmitter can operate without faults.



Battery

7.2 V battery system with charger
NiMH / 1500 mAh
Operating time: < approx. 48 hours on a single charge

Bellows

Lever stick protection for particularly heavy-duty applications

Technical Information

Frequency band:	433.100 – 434.750 MHz 915 MHz 67 Channels
RF output:	< or = 10 mW
Operating range:	≤ 300 ft
Antenna:	integrated
Response time of control command:	15 ms
*SMJ-Technology:	easy change of the joy/lever stick
Advance alert "battery empty":	15 minutes
Data Feedback:	optional
Operating temperature range:	-20 to +65°C
IP-Protection class:	IP65

**SMJ technologies (Surface Mounted Joystick). Change of joystick without opening the housing, easy to make a replacement service, anti twist protection*



Accessories

Carrying Harness

Practical carrying system with waist and neckbelt

The remote transmitter is housed in a lightweight, weatherproof case (IP65) suitable for most industrial environments. The transmitter offers up to 6 single-axis bellows flag switches with detents for the main control motions and 8 pushbuttons for auxiliary function control. The flag switches have up to 5 detents (5 speed points), proportional (stepless) - surface mount switch (SMJ technology) and can be replaced without opening the transmitter housing. Stepless flag switches (no detent) are also available.

The key operated "On-Off" switch controls power to the transmitter and the "E-Stop" mushroom head button controls the main line. (E-Stop operates as push "Off" and twist-turn "On"). An LCD display indicates transmitter operation: start-up menu, battery strength, signal strength, and crane function.

The transmitter is powered by a 7.2 volt nickel-metal hydride (NiMH) rechargeable battery. The battery provides up to 48 hours operating time on a single charge. The transmitter will automatically shut down after a specified time of non-use.



31.730 Handheld Two-Speed Pendant Transmitter - PTX

Data Feedback

- Range
- Transmitter signal strength
- Status of the function
- Customized data feedback information and logos on request

LBT Frequency Search

When switching on or when switching the frequency, a check is made to determine whether the frequency channel used is reserved by another transmitter. If this is the case, the next frequency channel is checked until it is ensured that the transmitter can operate without faults.

Battery Options

3.6 V battery system with charger
NiMH / 750 mAh
Operating time: < approx. 40 hours on a single charge

Power Supply

2 x AA NiMH batteries
Operating time: 40 hrs.

Technical Information

Frequency band:	433.100 – 434.750 MHz 915 MHz 67 Channels
RF output:	< or = 10 mW
Operating range:	≤ 300 ft
Antenna:	integrated
Response time of control command:	15 ms
*SMJ-Technology:	easy change of the joy/lever stick
Advance alert "battery empty":	15 minutes
Data Feedback:	optional
Operating temperature range:	-20 to +65°C
IP-Protection class:	IP65

**SMJ technologies (Surface Mounted Joystick). Change of joystick without opening the housing, easy to make a replacement service, anti twist protection*

Accessories

Charging Cradle for pushbutton transmitter with wall bracket
Practical charging cradle for quick charging. Can be mounted in buildings and vehicles. (Only in combination with AA batteries, not possible with 3.6 V battery) See photo on right.

Carrying Belt

Practical carrying belt for small hand-held transmitters.

Carrying Bag

Practical carrying bag as protection against coarse dirt.



Features Illuminated Buttons



31.740 Compact Receiver Module

Technical Information

Power Supply

45 - 250 VAC
250 VDC / 24 VDC

Outputs

- Up to 40 relays (Over 40 relays, consult factory)
- + 3 optocoupler outputs
- Contact Rating: 8A, 250VAC / 24VDC
- Max carrying current: 10A
- 4-20 MA, 0-10V
- CAN bus
- RS232, RS485
- PROFIBUS

Emergency stop relay

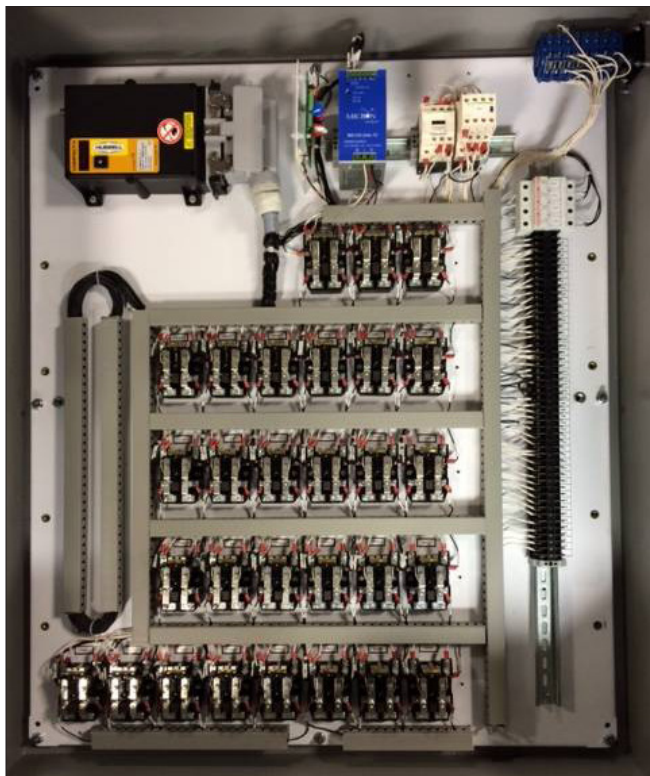
Forcibly actuated

Antenna

External 25 feet of antenna cable and BNC connector



31.510 - AC Radio Control Receiver



31.520 - Typical 3 Motion 250 VDC Radio Control with Plug and Play Receiver

The receiver includes an LED display (two LEDs) for identification of operation and faults. The system includes antenna kit with mounting bracket and 25 feet of antenna cable and BNC connector. It is available in AC or DC power.

The AC receiver can be configured for 45 VAC - 250 VAC power. The module consists of up to 40 relay outputs.

The DC receiver operates on 250/24 VDC power. The module consists of up to 40 transistor outputs that drive intermediate relays that will pick up the DC Crane contactors.

Both the AC and DC receiver module is panel mounted with mating connector including 7.5 feet of multi-conductor cable (loose end wire). The unit is housed in a weatherproof case (IP65).



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