

TELERANGER CONNECTIVITY

Configuring industrial remote controls has never been easier. Through an intuitive interface, simply connect the e-card to the TR2 PC application using the dedicated programming cable to instantly modify transmitter and receiver settings and functional parameters.

BP3400A INDUSTRIAL RECHARGEABLE TITANATE BATTERY



- Environmentally Friendly
- Lifecycle up to 15 Years
- Cost Saving

Ultra-Fast Charging

Fully charges in only 18 minutes. One full charge can support approximately 7 days of continuous operation for general industrial remote control applications.

Extremely Low Self-Discharge

Retains a high power level even after up to six months of storage on a full charge, helping extend battery durability and service life.

Excellent Environmental Resistance

Durable, and highly weather-resistant, with reliable operation in extreme temperatures from -30°C to +75°C.

BC2435A TITANATE BATTERY CHARGER

Compatible with Type-C USB power adapters. Safe and reliable.



SOFTWARE INTERFACE



BATTERY SPEC

Standard battery voltage	2.4 V
Maximum charging voltage	2.8 V
Recommended minimum discharge voltage	1.8 V
Recharging time	18 minutes

ACCESSORIES



TeleRanger
powered by TELECRANE®



TR2 Series THE 2

A Smart and Powerful Industrial Remote Control
Customized for Your Lifting Solution



Tandem control

Rotary selector switch allows the operator using a single transmitter to switch between: Crane A / Crane B or A+B cranes



Push-button power ON

Multiple startup modes available



Multi-function LED indicator on transmitter



Built-in receiver alarm / multifunction LED indicator (2-in-1)

TeleRanger

powered by TELECRANE®

Website : www.tele-ranger.com

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Patent Statement : www.patentdata.net/legal



TDFS – SUPERIOR INTERFERENCE AVOIDANCE

Teleranger Dynamic Frequency Selection (TDFS) automatically select frequency channel with low interference levels for operating.

BREATHABLE ENCLOSURE

Both transmitter & receiver made with fiberglass and use PTFE membrane (breathable but repelling the liquid water) for quick equilibrium of pressure to reduce stress on enclosure seal when using outdoor.

ENHANCED SIGNAL RANGE & STABILITY

(internal antenna)

TR2 intelligently strengthens radio connectivity using TDFS technology. This ensures extended coverage and enhanced stability.

TR2 INDUSTRIAL REMOTE CONTROL

Customized functions freely configurable to provide greater possibilities for equipment control.



RECEIVER SWITCHING POWER SUPPLY

Low voltage : DC 10 ~ 60 V
High voltage : AC 28 ~ 456 V



QUICK-DETACH RECEIVER CABLE

Allows fast attachment and removal of the receiver cable.



BUILT-IN ALARM

Buzzer volume adjustable (software configurable)



SUPPORTS UP TO 24 RELAY CONTROL POINTS



PROTECTION IP RATING

Transmitter : IP66
Receiver : IP67



COMPLIANCE WITH EN ISO 13849 MACHINERY SAFETY DIRECTIVE



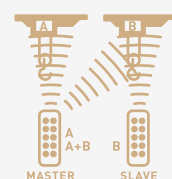
SUPER SURGE PROTECTION

(Switching Power Supply)
Protection against lightning and unstable power source on site.



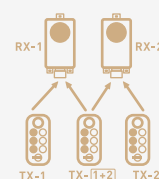
RELAY MODULE EXPANSION

Add extra relay module when need.



MASTER / SLAVE

Using two transmitters and two receivers forms a Master/Slave system. One transmitter acts as the "Master" and can control: Crane A, Crane B or A+B cranes simultaneously. The second transmitter acts as the "Slave" and can only control Crane B.



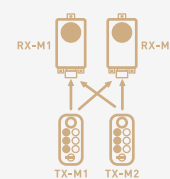
MASTER CONTROL

This function requires: Three transmitters, Two receivers. Configuration: One "Master Transmitter" controls both A+B cranes simultaneously. The other two transmitters independently control Crane A and Crane B.



TELERANGER COMBI TELERANGER COMBI (Cable-Free)

The trolley and bridge can each be independently controlled using separate remote controls, eliminating the need for traditional control cables and reducing installation and consumable costs.



MASTER / MASTER SYSTEM

When using two transmitters and two receivers, either transmitter can act as the master controller. Both master transmitters can control: Crane A, Crane B or A+B cranes. The system uses a "first activated, first control" priority logic.



ADJUSTABLE OPERATING RANGE

Adjustable transmitter output power helps extend battery life and control operating range.



SAFETY BUTTON

The operator can only start a movement if operator actuates the safety button and keeps the button in the actuated position. The movement is stopped again when safety button is released.



RECEIVER SPEC.

For Model	TR2-2S / 2D	TR2-4S~6S(S) / 8S	TR2-6D(S) / 8D~14D
Operating Temp	-30°C ~ +85°C		
Enclosure	Fibre-reinforced plastic		
IP Rating	IP66		
Power	High voltage: AC 28~456V Low voltage: DC 10~60V		
Dimension (MM)	160 x 90 x 65.8	241 x 90 x 70	255 x 117 x 130
Weight (w/o cable)	255 g	390 g	900 g

TRANSMITTER SPEC.

Emission Pwr	<10 mW
ID code	4.3billion (32Bits)
Operating Temp	-30°C ~ +85°C
Enclosure	Fibre-reinforced plastic
Operating Range	Up to 100 meters
ID Rating	IP67



Transmitter Model	TR2-2S	TR2-4S	TR2-6S	TR2-6S(S)	TR2-8S	TR2-8S(S)	TR2-10S	TR2-10S(S)	TR2-12S	TR2-12S(S)	TR2-14S
	TR2-2D	TR2-4D	TR2-6D	TR2-6D(S)	TR2-8D	TR2-8D(S)	TR2-10D	TR2-10D(S)	TR2-12D	TR2-12D(S)	TR2-14D
Power	AA size battery x 2						AA size battery x 4				
Dimension (MM)	156 x 65 x 49						222 x 65 x 49				
Weight (w/o cable)	235 g						350 g				

*Model ending with S for single-speed buttons / D for double-speed buttons / (S) for selector switches



ROTARY SELECTOR SWITCH

2 & 3 position selector switches typical for Tandem crane system. These switches give operator clear status of switch.



E-CARD PLUG-AND-PLAY

e-Card is an integrated circuit that is intended to securely store system data and its related ID code. e-Card is plug-and-play when replacing or adding new transmitter.



SECURITY ENHANCED AGAINST RADIO ATTACKER

Advanced real time Security Random Code (SRC) preventing unauthorized operation.



BATTERY POWER

Use AA size disposable battery or rechargeable battery is acceptable. TR2 also uses BP3400A titanate battery as an option.



TR2 TRANSMITTER WORKS AS DUPLICATOR OF E-CARD

Synchronize e-Card instantly on site without extra device required.