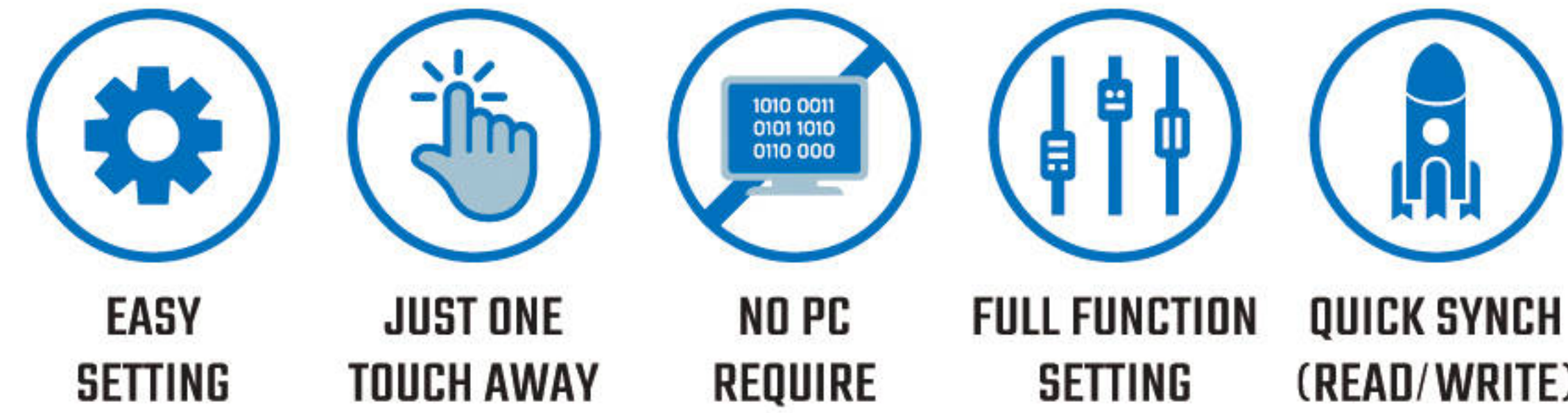


# Teleranger Connectivity

## Easy connect and manage remote controller

Use your smartphone or tablet to effortlessly set up your TR1 Pro radio remote control system in a few seconds. In only 3 easy steps. 1. Simply connect USB OTG cable to the smartphone. 2. Insert e-Card into the slot. 3. Click RANGERGO APP and follow the setup wizard.



PROGRAM ANYWHERE. **RANGER GO APP** works same as PC program and improve e-Card read/ write speed. You are allowed to make service of remote controller on site without carrying heavy laptop. **RANGER GO APP** touch and go on smartphone whenever you want.

In your increasingly mobile-enabled life, manage the products via an app is more important than ever. Rangergo App allows you to setup your remote control such as frequency channel, adjust control range, duplicating e-Card and even reprogram the pushbutton functions, all without needing to boot up a PC.



**TeleRanger** INDUSTRIAL RADIO REMOTE CONTROLLER **TR1**

E-mail: [info@tele-ranger.com](mailto:info@tele-ranger.com) [www.tele-ranger.com](http://www.tele-ranger.com)  
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### Receiver Spec.

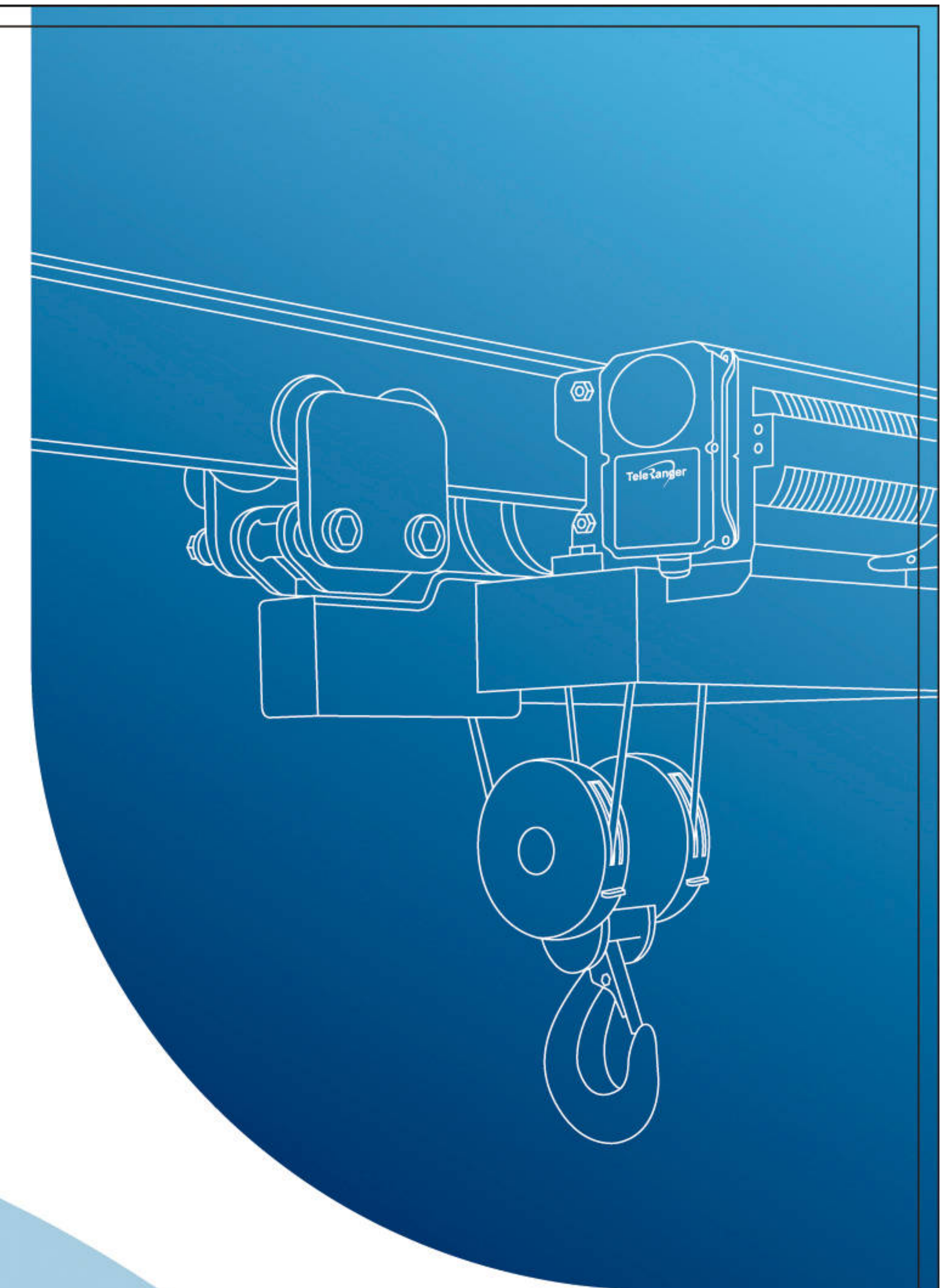
Operating Temp.	-30°C~+85°C
Enclosure	Fiber-reinforced plastic
IP Rating	IP 66
Power	HI: AC 28-456V LO: DC 10-60V
Dimension	
Weight approx. (w/o cable)	

TR1-2S/2D	TR1-4S~6S(S)/8S	TR1-6D(S)/8D~14D
160x90x65.8mm	241x90x70mm	255x117x130mm
255 g	390 g	900 g

TeleRanger

# TR1

INDUSTRIAL RADIO REMOTE CONTROLLER



**A smart control solution for lifting**

POWERFUL/ CUSTOMIZABLE



[www.tele-ranger.com](http://www.tele-ranger.com)

### Rotary Selector Switch



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

### Button Lock



Enter password to unlock the restricted pushbuttons. It prevents unauthorized operation.

### 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.

### Breathable Enclosure



Both transmitter & receiver made by 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.

### Security Enhanced against radio attacker



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

### Rangergo APP



Powerful software provides great flexibility to meet most of industrial applications. Rangergo is available on Android (smartphone) and Windows.

### TR1 Pro transmitter works as duplicator of e-Card



Synchronize e-card instantly on site without extra device require.



### 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.

### TDFS Technology



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

### Enhanced signal range and stability (Internal antenna)



TR1 intelligently strengthens radio connectivity using TDFS technology. This ensures extended coverage and enhanced stability.

### Adjustable operating range



Transmitter emission power adjustable for extending battery life.

### Battery Power



Use AA size disposable battery or rechargeable battery is acceptable. TR1 Pro also uses RCR-V3 lithium rechargeable battery as an option.

TeleRanger  
INDUSTRIAL RADIO REMOTE CONTROLLER

TR1 PRO

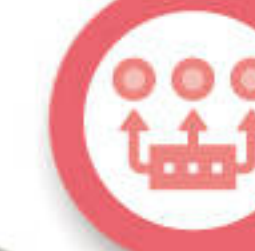
www.tele-ranger.com



### Patented Receiver

Multiple function LED indicator enhances visibility and status display. Disassemble receiver PCB for maintenance without taking the complete receiver unit off from crane.

### Flexible Common Terminal (COM)



Built-in common terminal jumper for wiring re-configuration. This feature solves the issues for installation on aged crane and also for crane modernization.

### Relay module Expansion

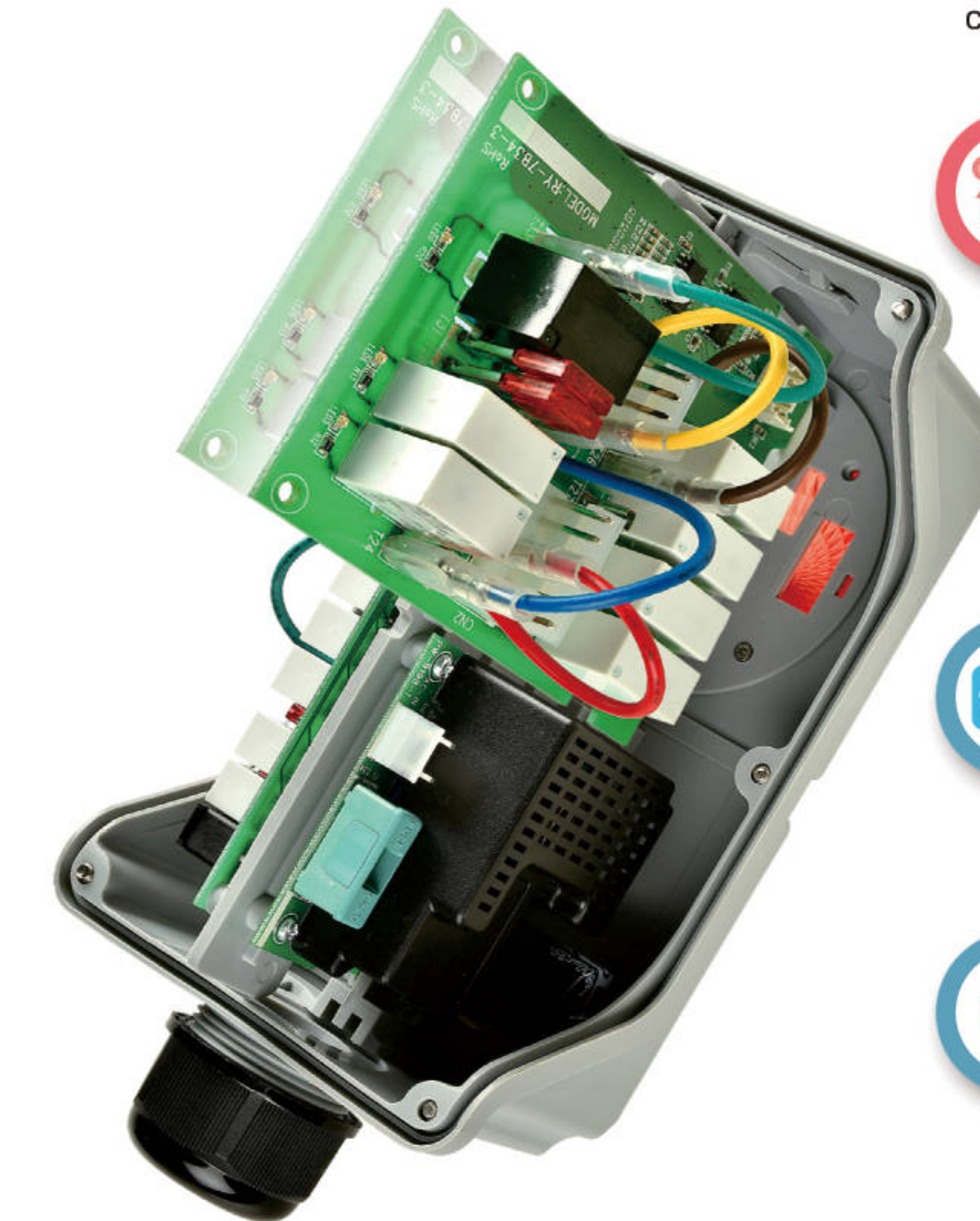


Add extra relay module when need.

### Super Surge Protection (Switching Power Supply)



Protection against lightning and unstable power source on site.



### Transmitter Spec.

Frequency	433/434 MHz
Emission Pwr	<10 mW
ID code	4.3 billion (32 Bits)
Operating Temp.	-30°C~ +85°C
Enclosure	Fiber-reinforced plastic
Operating Range	Up to 100 meters
IP Rating	IP 67

Model ending with S for single-speed buttons, D for double-speed buttons, (S) for selector switch.



AA size battery x 2 Wgt: 235 g Dim: 156x65x49mm

AA size battery x 4 Wgt: 350 g Dim: 222x65x49mm