

# RailBeacon Remote – Long-Range Wireless Control for Railroad Safety Devices






## Enhance Railroad Safety with Reliable Remote Activation

The **RailBeacon Remote** is a powerful wireless control system designed to remotely activate safety beacon lights and other essential railroad devices. Built for reliability and long-range operation, it ensures seamless control over critical safety systems from a distance, eliminating the need for manual activation at control panels.

### Key Features:

- ✓ **High-Power Load Handling** – Equipped with a **40A relay** (max load **30A**), the RailBeacon Remote can control high-power electrical devices with long-term stability.
- ✓ **Ultra-Long Range RF Signal** – Utilizing advanced **RF technology**, it offers a **4900FT max range** in open areas, ensuring signal transmission even through walls, floors, and doors.
- ✓ **Secure & Easy-to-Use** – Features a **high-security learning code system** with a re-learn mode for effortless programming. If a remote is lost, a manual switch on the relay allows direct control.
- ✓ **High Sensitivity & Anti-Jamming** – With a sensitivity rating of **-114dBm**, the system provides **stable and reliable performance** with strong anti-interference capabilities.
- ✓ **Wireless Convenience for Safety Operations** – No more walking to a control panel for manual activation. The **RailBeacon Remote** allows personnel to activate warning systems instantly from a distance, improving efficiency and safety.

### Versatile Applications:

-  **Movement Detection Alerts** – Automatically or remotely activate **warning indicators and lights when there is movement on the tracks** to enhance situational awareness.
-  **Blue Signal Protection** – Wirelessly turn on **blue lights for track indicators** when maintenance crews are working on the tracks, ensuring compliance with safety regulations.
-  **Worksite & Yard Safety Systems** – Control **derail indicators, hazard warning lights, and other critical railroad safety devices** without needing to be near a control panel.

**Important Note:** For optimal signal performance, avoid placing the receiver inside a metal enclosure.

Upgrade your railroad safety operations with the **RailBeacon Remote** – providing dependable, long-range wireless control when and where it matters most.

# Automatic Voltage Regulator



**Automatic Voltage Regulator AVR AVC63-12B1 for Basler**

Replace Part Number: **AVC63-12B1, AVC6312B1**

Specification: **Input: 180-280 Vac, 50/60 Hz, 1 OR 3 phase PMG EXCITED 63-105 Vac  
100/240 Hz 3 phase Sensing input: 180-280 Vac, 50/60 Hz 1 OR 3 phase CT input: 1 or 5  
Aac 50/60 Hz ACC input: +/- 3 Vdc. Output: 65 Vdc @ 12 Adc**

# 48V Power Supply



The RES-48V-PWR-SPP Series is a high-performance product, specifically designed for a variety of railway applications. The DC-DC converters feature 50 W single output voltage, wide input voltage from 14 - 160 VDC and extended operating temperature range from -40 to 105°C. Additional product features include input under-voltage protection, output over-voltage, short-circuit, over-current and over-temperature protection, remote On/Off control, remote sense compensation, programmable under-voltage lockout, hold-up function, output voltage trim adjustment. The products are widely used in railway systems and associated equipment. Key Features & Benefits

- Ultra-wide 12:1 input voltage range: 14 – 160 VDC • High efficiency up to 90%
- Reinforced insulation, I/O isolation test voltage 3 kVAC • Operating ambient temperature range -40 °C to +105 °C
- Input under-voltage protection, output over-voltage, over-current, short-circuit protection, over-temperature protection
  - Industry standard 1/4-brick package and pin-out
  - Meets EN 50155 and AREMA standard
- Safety approved according to IEC 62368-1 Applications
  - Railway related equipment

# 24v power supply



The ES-24V-PWR-SPP Series is a high-performance product, specifically designed for a variety of railway applications. The DC-DC converters feature 50 W single output voltage, wide input voltage from 14 - 160 VDC and extended operating temperature range from -40 to 105°C. Additional product features include input under-voltage protection, output over-voltage, short-circuit, over-current and over-temperature protection, remote On/Off control, remote sense compensation, programmable under-voltage lockout, hold-up function, output voltage trim adjustment. The products are widely used in railway systems and associated equipment.

## Key Features & Benefits

- Ultra-wide 12:1 input voltage range: 14 – 160 VDC
  - High efficiency up to 90%
- Reinforced insulation, I/O isolation test voltage 3 kVAC
- Operating ambient temperature range -40 °C to +105 °C
- Input under-voltage protection, output over-voltage, over-current, short-circuit protection, over-temperature protection
  - Industry standard 1/4-brick package and pin-out
    - Meets EN 50155 and AREMA standard
  - Safety approved according to IEC 62368-1
- Applications • Railway related equipment

**"These products is only available through Purchase Orders (P.O.). For pricing and orders, please contact us at [sales@railelectricalservices.com](mailto:sales@railelectricalservices.com)."**