

R160/R161 Data Sheet

19-Function Remote Controlled Receiver



Features

- Standard 19 I/O combinations (proportional and digital)
- Field configurable with the T110C
- Interference free, relentless control
- Excellent sensitivity for increased transmitter range
- Pendant capable
- Rugged and weatherproof
- Factory configurable for custom applications
- R161 - sink to ground

Applications

- Concrete Pump Trucks
- Load/ Haul/ Dump
- Off Road Machines
- Rotator Trucks
- Marine Steering Station
- Tow Trucks
- Track Type Machines
- Locomotive
- Material Handling Equipment
- Many More Applications

Description

The OMNEX Trusted Wireless™ R160/R161 receiver is a robust, license-free logic controller & valve driver designed for smooth operation & precise control of industrial machinery in global applications. The R160/R161 receiver features 19 I/O combinations (more can be achieved with expansion modules) and is fully customizable to operate momentary, latched, toggled and interlocked functions. Depending on the application, the R160/R161 can provide digital and analog (current, voltage and PWM output) signals and an electronic output for the safe shutdown of power to the outputs and external circuits. When used with the T110C, the system is field configurable. Each R160/R161 uses a unique ID code to ensure no two systems will conflict on a job site & OMNEX trusted Frequency Hopping Spread Spectrum technology to provide reliable performance & relentless control even in the harshest environments.



Powering Business Worldwide

Specifications

Specification	Description
Outputs	19 functions (17 digital + 2 proportional)
Inputs	19 (outputs can act as inputs)
Indicators & Diagnostics	Four status LEDs + Internal LEDs
Security	ID code programmed from transmitter, CRC-16 error detection
Power	9 - 32 VDC
Operating Temp. Range	-40°F to 158°F (-40°C to 70°C)
Size	5.1" x 4.7" x 1.4 " (130 mm x 119 mm x 36 mm)
Weight	0.65 lbs (295 g)
Construction	High impact plastic, weatherproof
Frequency	902 to 928 MHz - ISM band & 2.4 - 2.483 GHz - ISM band
Antenna Connector	Internal or external (optional)
Approvals / Certificates R160/R161 R160B	USA - FCC Part 15 Class B Canada - ISC RSS 210 European Union - CE

Specifications subject to change without notice - E&OE

For information on Eaton's wireless business,
please visit Eaton.com/wireless

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