

## 25R15 Receiver

- 15 Ten-Amp Relays Plus 1 Safety Relay
- 115 VAC or 12/24 VDC Power



### RF Characteristics

RF unit.....	Microprocessor controlled PLL synthesizer with up to 85 different channels
Frequency Range.....	902-928 Megahertz (MHz)
Channel Spacing.....	300 Kiloherz(KHz)
Modulation.....	Packet Mode, Digital Frequency, Modulation(FM) based on Manchester code
Receiver Type.....	Dual Conversion FM
FCC ID #.....	EGT810RX
Industry Canada Certification #.....	249 710 2624A
Sensitivity.....	1 µV usable
IF Bandwidth.....	180 KHz
Response Time.....	60 Milliseconds
Update Rate.....	16 packets per second command, 4 packets per second idle
Range.....	300- ft. obstructed view, 1000-ft. line of sight (unobstructed)
RF approvals.....	License-free in North America
Antenna.....	3" tuned element

### Safety and Operational Characteristics

Maintained Link.....	Receive at least one valid transmission each second to continue operations
Loss of Maintained Link.....	Safety shutdown, positive restart required
Addressing.....	16-bit, 65,535 unique addresses with 85 channels providing over 5 million variations
Safety Decoding.....	16-bit Cyclic Redundancy Codes (CRC) check
Safety Stop.....	Over-riding Stop command with safety relay
Start-Up Safety.....	Start inhibited if controls pressed before start
Status Indications.....	Full function diagnostics LED indicators for Power, Signal and Output
Power Requirements.....	115/230 VAC or 12/24 VDC Power
Transmitter Registration.....	AutoLink™ button

### Environmental Characteristics

Temperature Range.....	-20° to +160° F (-29° to +71° C)
Humidity Range.....	0-97% maximum non-condensing
Environmental Protection.....	Humisealed electronics
IP Rating.....	IP 65

### Physical Characteristics

Connector.....	6 ft. Wiring Harness Connection
Antenna.....	Top mounted or remote
Housing Material.....	Aluminum Extruded
Weight.....	4 lbs. (1.814 kg)
Dimensions.....	10" x 5" x 2.5" (25.4 cm x 12.7 cm x 6.35 cm)