25R11A Receiver

• 11 Ten-Amp Relays Plus 1 Safety Relay
• 120 VAC Power Supply
• 6 ft. Wiring Harness Connection

RF Characteristics

RF unit: Microprocessor controlled PLL synthesizer with up to 85 different channels
Frequency Range: 902-928 Megahertz (MHz)
Channel Spacing: 300 KiloHertz(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: 300- ft. obstructed view, 1000-ft. line of sight (unobstructed)
Range: License-free in North America
RF approvals: 3” tuned element
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: 120 VAC power supply
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)
25T11A Handheld Transmitter

- On/Alarm and Off/Stop Buttons
- Up to 3 Two-Step Discrete Rockers

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)
- RF Power: FCC Part 15: 50,000 microvolts per meter field strength
- RF Approval: License-free in North America
- FCC ID #: EGT814TX
- Industry Canada Certification #: 249 710 31887
- Modulation: Packet Mode, Digital Frequency, Modulation(FM) based on Manchester code
- 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)
- Antenna: Internal circuit board

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
- Inadvertant Command Safety: Programmable time-out requiring positive restart (Push-to-Operate(PTO) commanding mode available)
- Status Indications: LED indicators with status for power, active transmission and low-battery and failure (or control pressed on Start)
- Battery Type: 2 standard AA
- Battery Operating Time: 130 hours of continuous operation

Environmental Characteristics
- Temperature Range: -20° to +160° F (-29° to +71° C)
- Humidity Range: 0-97% maximum non-condensing
- Environmental Protection: Humisealed electronics
- UL Rating: UL 508 (Class I, Division I, and Group D and Class II, Division I and Groups E, F, and G also available)
- IP Rating: IP 66/67 (Water resistant/Dust Resistant)

Physical Characteristics
- Style: Ergonomic handheld with Remtron patented rocker controls
- Main Components: Surface mount technology, single board design
- Housing Material: Remtron custom high impact fiber reinforced nylon
- Weight: 10 oz. (0.283 kg)
- Dimensions: 2.75” x 8.1” x 1.0” (6.99 cm x 20.57 cm x 2.54 cm)