

REMTRON® Technical Specifications

REMOTE SafeTStop

T09Z Handheld Transmitter

Class I, Division I, and Group D (Class II, Division I and Groups E, F, and G also available)

- Up to 7 Functions
- On/Alarm and Off/Stop Buttons
- Up to 3 Discrete push buttons
- One SafeTStop™ mushroom button



RF Characteristics

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| RF unit..... | Microprocessor controlled PLL synthesizer with up to 85 different channels |
| Frequency Range..... | 902-928 Megahertz (MHz) |
| Channel Spacing..... | 300 Kilohertz(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

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| 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

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| Temperature Range..... | -20° to +160° F (-29° to +71° C) |
| Humidity Range..... | 0-97% maximum non-condensing |
| Environmental Protection..... | Humisealed electronics |
| UL Rating..... | Class I, Division I, and Group D (Class II, Division I and Groups E, F, and G also available) |

Physical Characteristics

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| 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) |