REMTRON Technical Specifications

T46A Lever-Style Transmitter

- Up to 24 Functions • On/Alarm and Off/Stop Buttons
- Up to 6 Step-less Single Axis Levers or 4 Two-Axis Joysticks
- Up to 10 Toggle Switches
- Optional Multiplex Selector or Key Switch

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)
RF Power……...	FCC Part 15: 50,000 micro-volts per meter field strength
RF Approval……...	License-free in North America
FCC ID #.....	EGT844TX
Industry Canada Certification #.....	249 710 31889
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……	Front Mounted

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……..	3, 6 or 9 standard AA
Battery Operating Time……	Up to 350 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)

Physical Characteristics

Style……	One-axis levers or two-axis joysticks
Main Components……	Surface mount technology, single board design
Housing Material……..	Vacuum molded
Weight……...	4.0 lbs. (1.814 kg)
Dimensions……	5” x 13” x 7” (12.7 cm x 33.02 cm x 17.78 cm)

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