

MLTX

Technical Specifications

Technical Bulletin #: MLTX Technical Bulletin

System Specification

Temperature Range: -22 F to 158 F (-30°C to 70°C)

Operation Range:

Non-Licensed Part 15 up to 300 feet (91.44 M) Licensed Part 90 up to 500 feet (213.36 M)

Humidity Range: 95% Non-condensing

Environmental Protection: IP66 and NEMA 4 Transmitter

NEMA 4 Receiver

Engineered versions may vary with design requirements

Frequency Range:

Non-Licensed Part 15 430 to 439.8 MHz Licensed Part 90 72 to 76 MHz 450 o 470 MHz

Modulation: FSK

Peak Frequency Deviation: 40 kHz (Part 15)

3 kHz (Part 90)

Frequency Generation Microprocessor controlled

Response Time: Approximately 40 ms

Baud Rate 6900 bps (Part 15) 4800 bps (Part 90 – TMS and

TMDA)

Humming Distance Security: 16 bit access code

Certifications: FCC Approved

Optional Certifications: Class 1 and Class 2

Division 2

Group A, B, C, D, E, F, and G

Diagnostics: On-board diagnostic system with

LED indicator, transmitter, and

receiver power status

Transmitter Component Specifications

Levers:

Rated in excess of 5 million cycles

per transmitter up to 7

Boot Available as an option

Joysticks:

Rated in excess of 5 million cycles

per transmitter up to 2

Toggles:

Type 2 position single pole, 2 position

double pole, 3 position double pole maintained, 3 position double pole

momentary

Rated MIL-S-83731

per transmitter dependent on levers and Signaling

Push Button:

Type Single Pole or Double Pole

Rated 250,000 Operations at 1 AMP at 28

VDC (we use the product at a lower

rating)

per transmitter dependent on levers and Signaling

Magnet Toggles:

Type Lift to operate, 1 position maintain, 2

position maintain, 1 side momentary,

and 1 side maintain

Rated MIL-S-8834

per transmitter dependent on levers and Signaling

E STOP:

Type Push/Pull Rated 10,000 cycles

per transmitter 1

Code-Plug:

Type Twist to lock down

Rated N/A

per transmitter Up to 4, depending on other

components

LED:

Type Red Rated N/A

per transmitter 1 (standard); up to 2 are possible

Rotary Switch:

Type 2 positions and 3 positions Rated 25,000 cycles minimum

per transmitter dependent on levers and Signaling

Key Switch:

Type Turn to operate removable in one

position (two types available)

Rated N/A Seal IP60 # per transmitter 1

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MAGNETEK MATERIAL HANDLING Telemotive

Transmitter Specification

Type: Belly Box with levers or

joysticks

Weight: Dependent on configuration.

Approximately 3 lbs.

Dimensions: Approximately 10" x 5.75" x

7.25"

Antenna: Built-in

Functions: Up to a maximum of 7 motions,

with 6 auxiliary switches

Power Out: Unlicensed – Part 15

Compliant

Licensed - 100mW

Passed the following mechanical tests:

IEC 68-2-34 Random Vibration IEC 68-2-27 Shock Testing IEC 68-2-31 Drop & Topple SAE 1211 Dust Testing

IP 66 NEMA 4

Battery and Charger

Battery Type

Rechargeable: 7.2 V NiMH, 12 V NiMH

Battery Capacity: 1900 mAh

Service Life

Rechargeable: 500 cycles

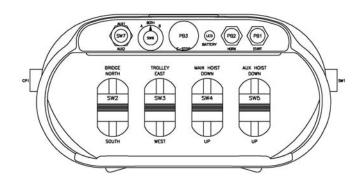
Battery Contacts: Gold Plated

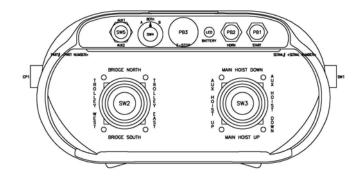
Battery Chargers: Maximum 3 chargers per

power supply

Charger Power: 120 VAC 60 Hz

Battery Charge Time: Fast Charge: approx. 1 hour







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