

MLTX

Technical Specifications

Technical Bulletin #: MLTX Technical Bulletin

Telemotive

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 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 to 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 9600 bps (Part 15)

2400 (Part 90 – cont. carrier)

4800 (Part 90 – TMS)

Humming Distance

Security: 16 bit access code
Certifications: FCC Approved

Diagnostics: On-board diagnostic system

with LED indicator, transmitter and receiver power status

Battery and Charger

Battery Type

Rechargeable: 7.2 V NiMH, 12 V NiMH

Non-Rechargeable: 9V Alkaline Battery Capacity: 1900 mAh

Service Life

Rechargeable: 500 cycles
Alkaline: 1 cycle

Battery Contacts: Gold Plated

Battery Chargers: Maximum 3 chargers per

power supply

Charger Power: 120 VAC 60 Hz
Battery Charge Time: Fast Charge: 1 Hour

Trickle Charge: 12 Hours

Transmitter Component Specifications

Levers:

Rated in excess of 5 million cycles

Per transmitter up to 7

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 (TMS, TDMA, and

Continuous)

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 (TMS, TDMA, and

Continuous)

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 (TMS, TDMA, and

Continuous)

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 (TMS, TDMA, and

Continuous)

Key Switch:

Type Turn to operate removable in one position (two types available)

Rated N/A Seal IP6 # Per transmitter 1

Phone: 905-564-2710 Fax: 905-564-2755



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Type: Belly Box with levers

Weight: Dependent on configuration.

Approximately 3 lbs.

Dimensions: Approximately 10" x 4.95" x 6.8"

Antenna: Built-in

Functions: Up to a maximum of 7 levers

with 8 auxiliaries

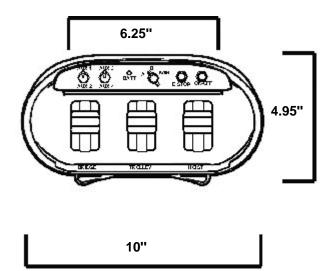
Power Out: Unlicensed – Part 15 Compliant

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



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