



*WE'RE NOT JUST CREATING REMOTE CONTROLS,  
WE'RE CREATING A SAFER WORKPLACE.*

ERGO 120 MFSHL

**Product Information**

## ERGO 120 MFSHL

### Standard Features:

- 2.4 Color TFT Backlit Display
- Response Time <100ms
- 2.4GHz
- H-Link Configurable
- 10 Configurable 1 or 2 Step Buttons
- 4 Single Step Side buttons
- Optional 2 proportional side buttons

### Typical Applications:

- Overhead Cranes
- Hoists
- Winches
- Grinder / Shredders
- Mobile Hydraulic



<b>ERGO 120 MFSHL Specifications:</b>			
<b>Front Buttons</b>	Ten; User Programmable	<b>Operating Voltage</b>	3.3 to 4.2V
<b>Side Buttons</b>	Four User Programmable (2 Can be Proportional)	<b>Current Consumption (idle)</b>	150mA for half duplex configuration
<b>Functions on Front Buttons</b>	Single/Two Step	<b>Current Consumption (max.)</b>	220mA
<b>Start Button</b>	One (1): any button; user programmable	<b>Battery Type</b>	Li-polymer
<b>Power Button</b>	One (1)	<b>Battery Rating</b>	3.6V 3000mAh
<b>Stop Button</b>	EN60204-1, ISO13850 compliant	<b>Operating Hours</b>	>10 hrs.
<b>Transmission Range</b>	Approximately 30m (100ft)	<b>RF output EIRP (50 Ohm)</b>	10mW max.
<b>Telegram Type</b>	MFS	<b>Operating Temperature</b>	-20° C to + 70° C (-4°F to +158°F)
<b>Frequency Operation</b>	2.4GHz	<b>IP Rating</b>	Min IP65
<b>Battery Low Voltage indicator</b>	Red LED	<b>Relative Humidity</b>	95% IE C60068-2-75
<b>Communication indicator</b>	Green LED	<b>Ozone/Weather resistant</b>	IEC 60068-2-11
<b>Feedback</b>	Color 2.4" TFT Backlit Display	<b>Chemical Resistance</b>	ISO16750
<b>Logic</b>	PC H-Link programmable	<b>Shock Resistant</b>	IEC 60068-2-29
<b>Start-Interlock</b>	Standard	<b>Vibration Resistant</b>	IEC 60068-2-64
<b>Function Interlock</b>	User Programmable	<b>Functional Safety</b>	EN60204-1
<b>Command Response Time</b>	< 100ms	<b>Dimensions</b>	H: 234mm (9.2") W: 107mm (4.2") D: 47mm (1.8")
<b>Stop Function response time</b>	< 100ms	<b>Enclosure Material</b>	Reinforced Polyamide polymer with rubber over mold
<b>Security</b>	Over 1 million combinations	<b>LED Feedback</b>	Up to 8 LED's available
<b>Weight, including battery</b>	< 400Gr (0.88lbs.) includes Batteries	<b>Cable Control</b>	RS232
<b>Push Button Lifetime</b>	Minimum 1M cycles		
<b>Activation force first step</b>	4N		
<b>Activation force second step</b>	8N		

**ABOUT HETRONIC:**

Since 1982 Hetronic Inc. has manufactured and delivered over 500,000 radio remote control systems to customers around the world. We are recognized leaders in providing the safest, most reliable industrial Safety Radio Remote Control (RRC) user interface solutions for process and equipment control applications. Every Hetronic system is designed and configured to customer specific application needs for safety, performance, reliability and productivity. With a global network of service locations in over 50 countries operators can count on Hetronic to be there when they need local and immediate service and support. Hetronic is committed to deliver turnkey radio remote control solutions that not only meet the highest standards for RF communication, but that also provide you with the newest technology and highest possible value to get the job done efficiently and safely in the harshest of environments.

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