

## **Machine Logic Controller (MLC)**



Hetronic's Machine Logic Controller (MLC) incorporates a robust programmable logic controller and rugged receiver in a single box.

- Fully Programmable with a dedicated User processor
- Friendly graphical User Logic Programming tool
- Modular Expandability
- Full Proportional Output Capability
- Full Digital Output Capability
- Monitored Main, Stop and User processors
- LED Diagnostics
- Wide range of programmable Inputs and Outputs
- Designed for harsh environments (IP65)
- Broad range of frequencies available

### **TYPICAL APPLICATIONS**



Overhead crane



Crushers/Grinders



Agricultural Equipment

<b>RX MLC</b>			
Housing:	Impact resistant Polymer Composite	RF Unit:	Type CS Synthesized with multiple frequencies
Environmental Protection:	IP 65 (Exceeds NEMA 12/13)	Typical Operating Range:	Up to 100m (300') for <=1.2GHz and 50m (164') for 2.4GHz
Weight:	1.52kg (3.35 lbs.)	Built-in Safety:	20-bit (over 1,000,000 possibilities); Active and Passive STOP function; Parity and Checksum
Dimensions:	H 160mm (6.3") x L 246.5mm (9.7") x D 88mm (3.5")	Temperature Operating Range:	-25 °C to +70 °C (-13 °F to +158 °F)
Antenna:	External TNC mount or cable assembly with screw or magnet mounts	Humidity Range:	0-97% maximum non-condensing
Outputs:	12 Power Digital outputs, 8 PWM or VC Channels, 1 External RF Module option (Full Duplex); solid state monitored Main Contacts, potential free monitored main contacts (optional)	Response Time:	Less than 100msec
Inputs:	Main contact input (current feedback limited), 8 Main inputs (analog or digital), 8 VC error inputs, 1 on-board RF module, 1 USB Device Port (for configuration and firmware upgrade), 1 JTAG	OEM Controller Inputs:	32 User inputs (can be analog or digital); 1 USB Device Port (for configuration and firmware upgrade); 1 JTAG
Expansion:	12 Digital TTL outputs, 1 RS232 used for cable control & configuration	OEM Controller Outputs:	7 Status LED's; 2 CAN Bus; 1 Software controlled variable voltage output
Diagnostics:	4 Main Controller LED's	OEM Controller Expansion:	8 Digital TTL Inputs; 8 Digital TTL Outputs; 1RS232; 1 TTL UART; 1 MicroSD card slot; 1 Real-time clock; 1 User EEPROM; 1 Accelerometer
Operating Frequencies:	419MHz,429MHz,434MHz,447MHz,458MHz, 480MHz,868MHz, 1216MHz, 2400MHz	Transmitters:	Mini, ERGO, NOVA Series
Power Supply:	12/24 Vdc +/- 50%		

## ABOUT HETRONIC

Since 1982 Hetronic, Inc. has delivered the safest, most reliable industrial Safety Radio Remote Control user interface solutions for process and equipment control applications in the industry. We have shipped over 400,000 rugged and reliable human-machine-interface solutions to customers around the world. Every Hetronic system is designed and configured to meet each customer specific needs and to improve operator efficiency and productivity in the toughest environments. Our global network of ServiceCare locations, in over 50 countries, provide industry leading in-warranty and out-of-warranty service and support to meet your needs. Hetronic's commitment to every customer is to deliver turnkey radio remote control solutions that meet the highest standards for RF communication and also provide you with the newest technology and highest possible value to get the job done efficiently and safely. Contact a Hetronic expert to learn more at [www.hetronic.com](http://www.hetronic.com)



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