



Electromotive

IMPULSE® G+ Series 3

IMPULSE® Control Products
IMPULSE® G+ Series 3 Features & Benefits

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SAFETY

Safe Operating Windows™	Reduces the possibility of programming unsafe parameters
Load Check™	Reduces the possibility of lifting an overload
Quick Stop™	Reduces the possibility of crane collision
Multi-Level Password Protection	Limits unauthorized modification of drive parameters
Phase Loss Detection	In case of phase loss, brake will set immediately, retaining load
Control Interface	120 V optically isolated-standard (Other voltages available as option)
UL/CUL Rated	Tested and certified by Underwriters Laboratory
Ground/Fault Short Circuit Protection	Reduces damages to motor and drive

PERFORMANCE

Motor Lead Reversal	Electronically swaps motor leads for reverse operation
Keypad Copy	Copy, store and write parameters from keypad
Communication	Built-in RS485 communication
Static Auto Tune	Allows auto tune without mechanical disconnection
Enhanced Keypad Display	Easier to navigate and read diagnostics
X-Press Programming™	Allows programming initial setup within seconds
Swift-Lift™/Ultra-Lift™	Allows overspeeding with light loads or empty hook

Reverse Plug Simulation™	Allows operator to smoothly and quickly stop and change directions without setting brake
Stall Prevention	Extends acceleration time and prevents the motor torque limits from being exceeded
Micro-Positioning™	Allows operator to make precise, slow moves
Torque Limit at Accel/Deceleration	Allows for load dependent Acceleration or Deceleration
Multi-Function Input Terminals	For end of travel/slow down limits stops or other options
Flash ROM	Stores last ten fault occurrences, even after power-down, for diagnostic purposes
Elapsed Time Counter	Indicates actual time of operation (power on or run time)
Hoist Synchronization	Synchronize up to 8 motors in master-slave configuration
RELIABILITY	
Fault Storage	Stores the last ten faults with trace data
Maintenance Timer	Alerts operator when maintenance is required
Programmable Fan	Cooling fan on/off control for longer life
Ambient Compensated Overload	High ambient motor protection
Increased Drive Output Current Ratings	Robust Power Section
Built-In Auto Tune	Maximizes performance and life of motor
Serial Communication	Provides reliable digital linkage among various crane system peripherals, including Modbus, Modbus+, Profibus and Ethernet
Operation/Fault Display	Simplifies setup and troubleshooting