

COMPACT AND COST-EFFECTIVE LOW HORSEPOWER SOLUTION



**ELECTROMOTIVE SYSTEMS** 





# IMPULSE® • G+ MINI ADJUSTABLE FREQUENCY CRANE CONTROLS

The IMPULSE•G+ Mini from Magnetek continues our history of providing the most reliable and cost-effective adjustable frequency crane controls available. The low horsepower (HP) IMPULSE•G+ Mini is our easiest to program drive to date, with user-friendly standard programming for basic applications and advanced programming capability for high performance environments. The IMPULSE•G+ Mini is designed with an expanded HP range and an identical dimensional footprint as the IMPULSE®•P3 Series 2 (up to 5HP) and a smaller footprint beyond 5HP.

All this, plus assured reliability and lower cost make the IMPULSE•G+ Mini Adjustable Frequency Crane Control the product of choice for your overhead material handling needs.

# EASY-TO-USE, RELIABLE PERFORMANCE FEATURES

# FACTORY DEFAULT SOFTWARE SETTINGS

The IMPULSE•G+ Mini is factory preset for basic application programming. This allows the technician to easily navigate and program the drive via a built-in keypad display in minutes for most applications.

# ADVANCED PROGRAMMING CAPABILITY

The IMPULSE•G+ Mini provides the choice of programming in Basic or Advanced access levels. In the Basic access level, the parameter availability (features) and navigation is nearly identical to the IMPULSE•P3 Series 2 in Basic mode. In the Advanced access level, the parameter availability and feature set is opened up to reveal the full capacity of the IMPULSE•G+ Mini drive. In this mode, the up and down arrow keys will navigate through the already familiar parameters of the IMPULSE•G+ Series 4 Crane Control.

LOAD CHECK™ II This built-in feature continuously detects hoist overload conditions throughout the frequency range, halting upward motion and only allowing the load to be lowered. It continuously monitors the hook load, both during acceleration and constant speed, eliminating the need for load cells in most applications. Its new autosetup feature will define the hoist's maximum hook load in seconds. Load Check II detects overload conditions when loads are "snagged" during low speed operation. With these control advancements, the drive will pause lifting when the rated capacity is approached and will only allow the load to be lowered. These enhancements provide increased safety and productivity.

COMPACT DESIGN Our most compact low HP drive to date, the IMPULSE•G+ Mini's size permits the use of smaller control enclosures, reducing the overall cost of an installation. It also expands application opportunities on smaller cranes, hoists, trolleys, and monorail carriers. The IMPULSE•G+ Mini is available with standard 120VAC interface card, with 24VAC, 48VAC, and 24VDC optional.

EXPANDED HP RANGE Available in ½ through 20 HP in 380-480V or ¼ through 20HP in 200-240V three phase ratings. This allows the user to select the most cost-effective product for low HP applications through Class D service. Variable Frequency Drive (VFD) technology provides energy savings compared to traditional contactor technology.

ENERGY ENGINEERED™ All of Magnetek's motion control products are designed to efficiently utilize available power, reducing energy costs for you and your customers.

RELIABILITY BUILT IN Designed with reliability and economy in mind! The hardware and software were designed and extensively tested specifically for the operating conditions seen in overhead material handling applications. The IMPULSE•G+ Mini is backed by our three-year warranty.

## OPTIONAL FLAT HEAT SINK DESIGN AVAILABLE

This option reduces the depth of the drive by as much as 45%. Finless capacities are available in 230-460V  $\frac{1}{2}$  through 5HP. Consult factory on the suitability of the flat heat sink design for your application.





# IMPULSE • G+ MINI CAPABILITIES

# BASIC CONTROL MODE FEATURES

# **CAPABILITIES**

CMAA CLASS A-D SERVICE

**EXCLUSIVE CRANE & HOIST SOFTWARE** 

# REMOVABLE TERMINAL BLOCK WITH PARAMETER BACKUP AND:

- (7) Multi-function digital inputs
- 120VAC standard (24VAC, 42-48VAC, and 24VDC optional)
- Europe: 24VDC standard compatible with 50Hz and 60Hz
- (1) Hardware BaseBlock
- (2) Multi-function analog inputs (0-10VDC, 4-20mA, 0-20mA)
- (1) Multi-function Pulse input
- (1) Multi-function Pulse output
- (1) Multi-function Relay output
- (2) Multi-function photo-coupler output (120V optional)
- (1) Multi-function analog output (0-10VDC)
- European models have (6) multi-function digital inputs

#### 40:1 SPEED RANGE

- Three Speed Control Methods
  - Up to five distinct speeds
  - Infinitely Variable Control
  - Stepless Analog Speed Reference

#### **RATINGS\***

- 380-480 VAC, ½ to 20HP
- 200-240 VAC, ¼ to 20HP

## **SAFETY**

- Safe Operating Windows<sup>™</sup> reduces possibility of programming unsafe parameters
- Motor Thermal Overload Protection reduces possibility of motor damage
- Quick Stop<sup>™</sup> reduces possibility of crane collision
- EN 61800-5-2, EN 61508, SIL2 Hardware Base Block Circuit
- Certifications: UL, cUL, RoHs, TÜV, CSA, CE (available with filters)
- UL recognized Electronic Thermal Overload

#### **PERFORMANCE**

- X-Press Programming<sup>™</sup> allows programming initial setup within seconds
- Swift-Lift<sup>™</sup> allows overspeeding with light loads or empty hook
- Reverse Plug Simulation<sup>™</sup> allows operator to smoothly and quickly stop and change directions without setting brake
- Auto-Tuning non-rotational auto-tuning for performance demanding applications

<sup>\*</sup>For wiring diagrams, drive ratings, and dimensions, see Technical Bulletin #144-25092.



# ADVANCED CONTROL MODE FEATURES

The IMPULSE•G+ Mini advanced control mode offers you all our basic control mode features, plus, with a single parameter access level adjustment, it can be opened up to utilize all the advanced features and programming capabilities without reconfiguring.\*\*

# **CAPABILITIES**

## 100:1 SPEED RANGE

- 200% starting torque at 0.5Hz
- Up to 16 discrete speed references
- Expanded programmable input/output capabilities
- Preferred Parameter feature
- Preventative maintenance function (IGBTs, Capacitors, FAN)
- Side-by-side installation for panel space savings
- Additional analog input available

# PERFORMANCE

- Open-Loop Vector Control
- Micro-Positioning<sup>™</sup> Control
- Ethernet/IP Communication optional
- Serial Communications Modbus, RS-422/485 communication up to 115Kbps
- Load Check™II
- Inching Control
- Auto-Tuning rotational and non-rotational auto-tuning for performance demanding applications
- \*\* For advanced control mode feature instructions, see IMPULSE•G+ Mini Advanced Instruction Manual #144-25085.





# IMPULSE•G+ MINI SOFTWARE FEATURES

Additional Accel/Decel Times  Automatic Foult Reset  Custom V/F Patterns  \$12 Safe Torque Off Foult History Inching Control Input/Output Phase Loss Detection Imput/Output Phase Loss Detection Imput Frequencies Icacl Check** II Marco-Positioning** Motor-Intermal Civerboad Protection Multiple Reference Sources Multiple Reference Sources Multiple Reference Sources Norn-Mechanical Load Brake Sequence (Qualified OFM Applications) Overhead Detection Overload Counter Overtocque/Undertrappe Detection Password Protection Overspeed Detection by Pulse Feedback Programmable Cooling fan Operation Pulse Feedback Quick Stop** Reverse Pulg Simulation** Sove Current Parameter Settings Sip Compensation Soral Provention Soral Pro		D A CIC	ADVANCED
Automatic Fault Reset  Custom V/F Patterns  SIL 2 Safe Torque Off  Pault History  Inching Control  Input/Output Phase Loss Detection  Jump Frequencies  Load Check" II  Micro Positioning"  Motor Auto-Uning  Motor Human Overload Protection  Multiple Reference Sources  Multiple Reference Sources  Norr-Mechanical Load Brake Sequence  Qualified OEM Applications   Overhoad Counter  Overload Protection  Password Protection  Overload Protection  Password Protection  Password Protection  Password Protection  Overload Counter  Overload Counter  Overload Protection  Password Protection  Overspeed Detection by Pulse Feedback  Portable Copy Stick  Programmable Cooling Fan Operation  Pulse Feedback  Programmable Cooling Fan Operation  Pulse Feedback  Postable Copy Stick  Pogrammable Cooling Fan Operation  Still Prevention  Stall Prevention  Stall Prevention  Stall Provention  Stall Provention  Overload Counter  On Off Delay  - On Off Delay  - Funding Control  - Maintenance  Torque Compensation  Increase Compen	Additional Assat / Decol Time	BASIC	ADVANCED
Custom V/F Patterns  \$12 Safe Torque Off Foul History			•
SIL2 Safe Torque Off Fouth History Inching Control Input/Output Phase Loss Detection Input/Output Phase Loss Detection Input/Output Phase Loss Detection Imput Frequencies Load Check* II Micro Positioning* Motor Auto-Tuning Motor Auto-Tuning Motor Auto-Tuning Motor Auto-Tuning Motor Thermal Overload Protection Motor Thermal Overload Protection Multiple Reference Sources Multiple Reference Sources Multiple Reference Sources Non-Mechanical Load Brake Sequence (Qualified OEM Applications) Overload Counter Overload Counter Overload Counter Overload Counter Overload Protection Password Protection Possword Protection by Pulse Feedback Protrained Copy Stick Programmable Cooling Fan Operation Pulse Feedback Ouick Stop* Reverse Plug Simulation* Runtime Counter Sorle Operating Vindows* Sorle Operating Vindows* Sorle Operating Parameter Settings Slip Compensation Stall Prevention Swift-Ifi* Timers: On/Off Delay - Run'tipg Delay - Inching Control - Manimenance Incrue Compensation Icaque Limiting User Selectable Parameter Access		•	•
Fauli History Inching Control Input/Output Phase Loss Detection Jump Frequencies Load Check** II Micro Positioning** Motor Auto-Tuning Motor Auto-Tuning Motor Auto-Tuning Motor Auto-Tuning Motor Infermal Overload Protection Multiple Reference Sources Multiple Reference Sources Multiple Run Sources Nort-Mechanical Load Broke Sequence (Qualified OEM Applications) Overheat Detection Overload Counter Overload Counter Overload Protection Password Protection Possword Protection Overspeed Detection b Possword Protection b Protable Copty Stick Programmable Cooling Fan Operation Pulse Feedback Ouick Stop** Reverse Plug Simulation** Reverse Plug Simulation** Reverse Plug Simulation** Sorie Current Parameter Sellings Slip Compensation Swift Lift** Sove Current Parameter Sellings Slip Compensation Faque Limiting User Selectable Parameter Access		•	•
Inching Control Input/Output Phase Loss Detection Jump Frequencies Load Check** II Micro Positioning** Motor Autor Tuning Motor Thermal Overload Protection Multiple Reference Sources Multiple Run Sources Multiple Run Sources Overhoat Detection Overload Counter Overload Counter Overload Counter Overload Counter Overtorque/Undentorque Detection Password Protection Overspeed Detection by Pulse Feedback Programmable Cooling Fan Operation Pulse Feedback Quick Stop* Reverse Plug Stinulation* Runtime Counter Sole Operating Windows* Sove Current Parameter Settings Slip Compensation Swift-lift* Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance - Torque Compensation Torque Limiting - Inching Control - Maintenance - Torque Compensation - Torque Limiting - Torque Compensation - Torque Limiting - Tuning Control - Maintenance - Torque Compensation - Torque Limiting - Tuning Compensation - Torque Limiting - Tuning Compensation - Torque Limiting - Tuning Compensation - Tuning Compensation - Tuning Compensation - Tuning Control - Maintenance - Tuning Compensation - Tuni		•	•
Input/Output Phase Loss Detection Jump Frequencies Load Check" II Micro-Positioning** Motor Auto-Tuning Motor Thermal Overload Protection  Multiple Reference Sources Multiple Run Sources Nort-Mechanical Load Brake Sequence (Qualified OEM Applications) Overload Counter Overload Counter Overload Counter Overload Counter Overspeed Detection Password Protection Password Protection Overspeed Detection by Pulse Feedback Portable Copy Slick Programmable Cooling Fan Operation Pulse Feedback Ouick Stop** Runtime Counter Safe Operating Windows* Save Current Parameter Settings Slip Compensation Stall Prevention Stall Prevention Stall Prevention Pilmers: On/Ofl Delay Pulsuriana Parameter Access User Selectable Parameter Access			•
Jump Frequencies Load Check™ II  Micro-Positioning™  Motor Auto-Turning  Motor Thermal Overload Protection  Multiple Reference Sources  Multiple Run Sources  Non-Mechanical Load Brake Sequence (Qualified OEM Applications)  Overhead Detection  Overload Counter  Overload Counter  Overload Protection  Possword Protection  Overspeed Detection by Pulse Feedback  Portable Copy Stick  Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Still Prevention  Stall Prevention  Stall Prevention  Pulse Tesensory  Stall Prevention  Stall Prevention  Pulse Tesensory  Stall Prevention  Stall Prevention  Pulse Tesensory  Stall Prevention  Stall Prevention  Stall Prevention  Pulse Tesensory  P			•
toad Check" III			•
Micro-Positioning			•
Motor Auto-Tuning Motor Thermal Overload Protection Multiple Reference Sources Multiple Run Sources Multiple Run Sources Non-Wechanical Load Brake Sequence (Qualified OEM Applications) Overload Detection Overload Counter Overload Counter Overtorque/Undertorque Detection Password Protection Overspeed Detection  Overspeed Detection  Overspeed Detection  Polyse Feedback Programmable Cooling Fan Operation Pulse Feedback  Runtime Counter  Safe Operating Windows** Safe Operating Windows** Safe Operating Windows** Silp Compensation Sill Prevention Sill Prevention Sill Prevention SwiftLift** Timers: On/Off Delay - Run/Jog Delay - Inching Control - Wandendore - Rorque Compensation Source Limiting User Selectable Parameter Access			•
Motor Thermal Overload Protection  Multiple Reference Sources  Multiple Run Sources  Non-Mechanical Load Brake Sequence (Qualified OEM Applications)  Overheat Detection  Overload Counter  Overtoad Counter  Overtoad Potection  Password Protection  Overspeed Detection by Pulse Feedback  Portable Copy Stick  Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop**  Reverse Plug Simulation**  Runtime Counter  Safe Operating Windows**  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-lif**  Timers: - On/Of Belay - Run/Jog Delay - Inching Control - Multiple Reference Sources  • • • • • • • • • • • • • • • • • • •	Micro·Positioning <sup>™</sup>		•
Multiple Reference Sources  Multiple Run Sources  Nont-Mechanical Load Brake Sequence (Qualified OEM Applications)  Overheat Detection  Overload Counter  Overtorque/Undertorque Detection  Password Protection  Overspeed Detection by Pulse Feedback  Portable Copy Stick  Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop**  Runtime Counter  Safe Operating Windows**  Save Current Parameter Settings  Slip Compensation  Stoll Prevention  Swift-lift*  Timers:  - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Limiting  User Selectable Parameter Access	Motor Auto-Tuning	•	•
Multiple Run Sources  Non-Mechanical Load Brake Sequence (Qualified OEM Applications)  Overheat Detection  Overload Counter  Overload Counter  Overspeed Detection  Password Protection  Overspeed Detection by Pulse Feedback  Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop**  Reverse Plug Simulation**  Reverse Plug Simulation**  Runtime Counter  Safe Operating Windows**  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-liff**  Timers:  - On/Off Delay - Run/Jog Delay - In/Jog Delay - In/Jog Delay - In/Jog Delay - In/Jog Compensation  Torque Limiting  User Selectable Parameter Access	Motor Thermal Overload Protection	•	•
Non-Mechanical Load Brake Sequence (Qualified OEM Applications)  Overheat Detection  Overload Counter  Overload Counter  Overtorque/Undertorque Detection  Password Protection  Overspeed Detection by Pulse Feedback  Portable Copy Stick  Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop™  Reverse Plug Simulation™  Reverse Plug Simulation™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Suiff-Liff™  Timers:  - On/Off Delay - Run/Jog Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Multiple Reference Sources		•
Overheat Detection Overload Counter Overload Counter Overload Counter Overload Counter Overspeed Detection Password Protection Overspeed Detection by Pulse Feedback Portable Copy Stick Programmable Cooling Fan Operation Pulse Feedback Quick Stop** Reverse Plug Simulation** Runtime Counter Safe Operating Windows** Save Current Parameter Settings Slip Compensation Stall Prevention Swift-Lift* Timers: On / Off Delay - Run/Jog Delay - Inching Control - Maintenance Torque Compensation Torque Limiting User Selectable Parameter Access	Multiple Run Sources		•
Overload Counter Overloque/Undertorque Detection Password Protection Overspeed Detection by Pulse Feedback Portable Copy Stick Programmable Cooling Fan Operation Pulse Feedback Quick Stop™ Reverse Plug Simulation™ Reverse Plug Simulation™ Runtime Counter Safe Operating Windows™ Save Current Parameter Settings Slip Compensation Stall Prevention Stall Prevention Firmers: On/Off Delay - Run/Jog Delay - Inching Control - Maintenance Torque Limiting User Selectable Parameter Access	Non-Mechanical Load Brake Sequence (Qualified OEM Applications)		•
Overtorque/Undertorque Detection       •         Password Protection       •         Overspeed Detection by Pulse Feedback       •         Portable Copy Stick       •         Programmable Cooling Fan Operation       •         Pulse Feedback       •         Quick Stop™       •         Reverse Plug Simulation™       •         Runtime Counter       •         Safe Operating Windows™       •         Save Current Parameter Settings       •         Slip Compensation       •         Stall Prevention       •         Swift-Lift™       •         Timers:       •         - On/Off Delay       •         - Run/Jog Delay       •         - Inching Control       •         - Maintenance       •         Torque Compensation       •         Torque Limiting       •         User Selectable Parameter Access       •	Overheat Detection		•
Password Protection  Overspeed Detection by Pulse Feedback  Portable Copy Stick  Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop™  Reverse Plug Simulation™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-lift™  Timers: - On/Off Delay - Inching Control - Maintenance  Torque Compensation  User Selectable Parameter Access  • • • • • • • • • • • • • • • • • •	Overload Counter		•
Overspeed Detection by Pulse Feedback   Portable Copy Stick •   Programmable Cooling Fan Operation •   Pulse Feedback •   Quick Stop™ •   Reverse Plug Simulation™ •   Runtime Counter •   Safe Operating Windows™ •   Save Current Parameter Settings •   Slip Compensation •   Stall Prevention •   Swift-Lift™ •   Timers: - On/Off Delay   - Run/Jog Delay •   Inching Control - Maintenance   Torque Compensation •   Torque Limiting •   User Selectable Parameter Access •	Overtorque/Undertorque Detection	•	•
Portable Copy Stick Programmable Cooling Fan Operation Pulse Feedback Quick Stop™ Reverse Plug Simulation™ Reverse Plug Simulation™ Runtime Counter Safe Operating Windows™ Save Current Parameter Settings Slip Compensation Stall Prevention Swiff-Lift™ Swiff-Lift™ Swiff-Lift™ Imers: On/Off Delay Run/Jog Delay Inching Control - Maintenance Torque Compensation  User Selectable Parameter Access  •  Programmable Cooling Fan Operation  Reverse Plug Simulation™  Parameter Settings  Suff-Lift ™ Parameter Settings Parameter Setti	Password Protection	•	•
Programmable Cooling Fan Operation  Pulse Feedback  Quick Stop™  Reverse Plug Simulation™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Inching Control - Maintenance  Torque Compensation  User Selectable Parameter Access  • • • • • • • • • • • • • • • • • •	Overspeed Detection by Pulse Feedback		•
Pulse Feedback  Quick Stop™  Reverse Plug Simulation™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Portable Copy Stick	•	•
Pulse Feedback  Quick Stop™  Reverse Plug Simulation™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Programmable Cooling Fan Operation		•
Reverse Plug Simulation™  Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Pulse Feedback	•	•
Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Quick Stop™	•	•
Runtime Counter  Safe Operating Windows™  Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Reverse Plug Simulation™	•	•
Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access			•
Save Current Parameter Settings  Slip Compensation  Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Safe Operating Windows™	•	•
Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Save Current Parameter Settings		•
Stall Prevention  Swift-Lift™  Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access			•
Timers: - On/Off Delay - Run/Jog Delay - Inching Control - Maintenance Torque Compensation  Torque Limiting  User Selectable Parameter Access		•	•
- On/Off Delay - Run/Jog Delay - Inching Control - Maintenance  Torque Compensation  Torque Limiting  User Selectable Parameter Access	Swift-Lift™	•	•
Torque Compensation  Torque Limiting  User Selectable Parameter Access  •	Timers: - On/Off Delay - Run/Jog Delay - Inching Control		•
Torque Limiting  User Selectable Parameter Access  •			•
User Selectable Parameter Access •			•
	- · · · · · · · · · · · · · · · · · · ·		•
	X-Press Programming <sup>™</sup>	•	•

# COMPLETE IMPULSE® CONTROL PANELS AVAILABLE

## STANDARD FEATURES INCLUDE:

- 120 Volt control voltage interface card\*
- Brake contactor branch fusing
- Built-in electronic motor thermal overload protection
- Dynamic braking resistor(s)
- All wiring to a single terminal strip
- Clearly marked wires (at both ends)
- Complete wiring schematic
- NEMA 4/12 enclosure

\*24VDC, 24VAC, and 42-48 VAC optional



# **KEYPAD/DIGITAL DISPLAY**

## **FEATURES:**

- Standard LED five digit display of parameters and diagnostics
- Simplified navigation common to IMPULSE drives, so users don't have to relearn
- Easy set up and troubleshooting

#### ALLOWS FOR:

- Programming both Basic and Advanced drive parameters
- Monitoring the functions of the drive
- Reading alpha-numeric fault diagnostic indications



## UNSURPASSED PRODUCT SUPPORT

As always, you can count on Magnetek and IMPULSE® drives to help you achieve the maximum performance and reliability of your overhead material handling system, including:

- Three-year warranty
- Magnetek Service Technicians on-call 24/7
- On-site and in-house product training programs
- Fully tested prior to shipment

For maximum control flexibility, match the IMPULSE•G+ Mini with Magnetek's Pendant Pushbutton Stations or our line of Wireless Crane Controls.

FOR MORE INFORMATION, CONTACT MAGNETEK MATERIAL HANDLING OR YOUR LOCAL MAGNETEK SALES REPRESENTATIVE.





WWW.MAGNETEKMH.COM SALES@MAGNETEK.COM N49 W13650 Campbell Drive Menomonee Falls, WI 53051 Toll-Free Phone 800.288.8178 Toll-Free Fax 800.298.3503 Phone 262.783.3500 Fax 262.783.3510 161 Orenda Road, Unit 1 Brampton, Ontario L6W 1W3 Canada Toll-Free Phone 800.792.7253 Phone 905.828.1526 Fax 905.828.5707

Unit 3, Bedford Business Centre Mile Road, Bedford MK42 9TW UK Phone +44(0) 1234 349191 Fax +44(0) 1234 268955