

# **IMPULSE® P<sup>3</sup> Series 2**

## **Adjustable Frequency Crane Controls**

**The IMPULSE• P<sup>3</sup> Series 2 is the most reliable and cost effective low HP adjustable frequency crane control ever offered.**

It's easy to program for basic applications, yet capable of working in high performance environments with the selection of a single software parameter. The IMPULSE• P<sup>3</sup> Series 2 has been designed with an expanded HP range and smaller dimensional footprint than its predecessor. All this, plus greater reliability and lower cost, make the IMPULSE• P<sup>3</sup> Series 2 Adjustable Frequency Crane Control the product of choice for your overhead material handling needs.



### **Factory Default Software Settings**

The IMPULSE• P<sup>3</sup> Series 2 is factory preset and activated for standard application programming. This allows the operator to easily program the drive via a keypad display in minutes for most applications.

### **Advanced Programming Capability**

With the selection of a single programming parameter, the basic IMPULSE• P<sup>3</sup> Series 2 can be programmed for many of the control features of the IMPULSE• G+ Series 2 crane control, but at a much lower cost!

### **Compact Design**

Our most compact low HP drive to date, the IMPULSE• P<sup>3</sup> Series 2's size permits the use of smaller control enclosures, which reduces the overall cost of an installation. It also expands application opportunities on smaller cranes, hoists, trolleys, and monorail carriers.

### **Expanded HP Range**

Available in fractional as well as 7-1/2 and 10 HP ratings. This allows the user to select the most cost effective product for low HP applications thru class D service.

### **Reliability with Lower Cost**

Designed with reliability in mind! The hardware and software were designed and tested specifically for the operating conditions seen in overhead material handling applications. The IMPULSE• P<sup>3</sup> Series 2 has proven to be extremely reliable, and is backed by our two-year warranty.

### **Optional Flat Heat Sink Design**

Available in an optional flat heat sink design. This reduces the depth of the drive as much as 45%. Consult factory on the suitability of the flat heat sink design for your application.

# Product Features & Options

## IMPULSE•P<sup>3</sup> Series 2

### Performance

- X-Press Programming™** Allows programming initial setup within seconds
- Swift-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

### Capabilities

- CMAA Class A-D Service**
- 40:1 Speed Range**
- Three Speed Control Methods**
- Up to 5 distinct speeds  
Infinitely Variable Control  
Analog Speed Reference

### Ratings\*

- 380-460 VAC, ½ to 10HP  
200-230 VAC, ¼ to 10HP

### Exclusive Crane & Hoist Software

### Safety

- Safe Operating Windows™** Reduces possibility of programming unsafe parameters
- Motor Thermal Overload Protection** Reduces possibility of motor damage
- Quick Stop™** Reduces possibility of crane collision

## IMPULSE•P<sup>3</sup> Series 2 Advanced Control Features

The IMPULSE•P<sup>3</sup> Series 2 offers you all our standard features, plus it can be reconfigured, with the adjustment of a single parameter, to take advantage of the following advanced programming features:

### Performance

- Open-Loop Vector Control  
Micro-Positioning™ Control  
Serial Communications—ModBus, RS-485

### Capabilities

- 100:1 Speed Range**  
Up to 16 Discrete Speed References  
Expanded Programmable Input/Output Capabilities

### Safety

- End of Travel Limit Selection—slow and stop when travel limits are reached



## **Unsurpassed Product Support**

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

- Two-year warranty
- Electromotive Service Technicians on call 24/7
- On-site and in-house product training programs
- Fully tested prior to shipment
- UL and cUL Listed; CE Approved
- UL recognized Electronic Thermal Overload



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