

# BRAKETRONIC® SYSTEMS

*"Brake By Wire"*



Hydraulic brake systems tend to leak and create maintenance and environmental issues. Magnetek's Braketronic System is the solution! Used on the traverse motions of your overhead crane, the Braketronic package allows for the removal of the entire hydraulic brake system and replaces it with state-of-the-art "brake by wire" technology.

With the Magnetek Braketronic Controller, single or multiple Mondel thruster operated brakes can be proportionally controlled by a foot pedal, master switch, radio control, or selectively from either one.

Magnetek's Braketronic Controller provides adjustable torque control to the Mondel thruster operated shoe or disc brakes and also provides fail-safe emergency braking.

When a foot pedal is not required, the controller can also be configured to gradually apply the brakes by using a pre-programmed ramping sequence that is initiated by the use of a single-step control device such as a master switch or radio control.

The Braketronic Controller is ideal for new applications or replacement of existing hydraulic brake systems.

## BRAKETRONIC UNIT

### INCLUDES

- Braketronic Controller
- Standard Pre-Engineered Panel
- Mill Duty Foot Pedal (Optional)

### FEATURES

- Adjustable torque brake performance, controlled from foot pedal or radio control
- Pre-programmed ramping controlled by push-button
- Drift point compatible
- Voltages: 250V DC, 230/460/575V AC-3Ph, 115/230-Single Ph
- Control single or multiple brakes
- Industrial or Mill Duty
- All components are UL Listed and include factory testing
- Drop-in brake designs available
- Custom application engineering available

### APPLICATIONS



- All types of cranes
- Moveable lift bridges
- Transfer cars
- Ship unloaders
- Mining
- Logging
- Marine
- Metals

## STANDARD PRE-ENGINEERED PANEL

### INCLUDES

- Electromotive IMPULSE® G+ Series 3 Adjustable Frequency Crane Control with keypad
- 120 Volt control voltage interface card
- Branch circuit fusing
- Brake contactor
- Dynamic Braking Resistor(s)
- Wiring to a single terminal strip
- Built in electronic motor thermal overload protection
- Clearly marked wires (at both ends)
- NEMA 4/12 enclosures with a continuous hinge
- DC panels include DC Buss Choke
- All components are UL Listed and include factory testing, bill of materials, and computer-generated power and control circuit schematics.



## MILL DUTY FOOT PEDAL

### FEATURES

- Rugged, sealed, cast-aluminum construction
- Brass bearings
- Compression return springs
- Sealing to NEMA 4
- Step or proportional operation
- 10 million switching cycles
- Dark gray finish



### APPLICATIONS

- Well suited for mobile equipment utilized in mining, logging and marine industries
- High-duty cycle process control applications
- Overhead cranes in the metal industry



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