

BRAKETRONIC® SYSTEMS

“BRAKE BY WIRE”

The Braketronic System is the safe and effective solution for proportional brake control.

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.

BRAKETRONIC UNIT

FEATURES

- Adjustable torque brake performance, controlled from foot pedal or radio control
- Pre-programmed ramping controlled by push-button
- Drift point compatible
- Voltages: 250 VDC, 230/460/575V VAC 3 Phase, 115/230 Single Phase
- 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

INCLUDES

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



APPLICATIONS

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

For more information, contact Magnetek Material Handling or your local Magnetek Sales Representative.

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.

STANDARD PRE-ENGINEERED PANEL

INCLUDES

- IMPULSE®•G+ Series 4 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 Bus 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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