OPTIMIZER Magnet Controller by Cableform, Inc.

HUBBELL

Retrofits & New Installations

Solid-State IGBT Magnet Control

Infinitely variable current control for all lifting magnets
Magnets operate at the lowest possible temperature

Model M150-GENII-4292

M150-GENII-4292 ● Patented Technology

Optimize Every Magnet

Adjustable current and times for all operating modes to maximize performance, optimize production and prolong magnet life

For
Mobile Equipment
and
Overhead Cranes

Operating Modes

with existing 2 or 3 position operator controls

- LIFT – 100% voltage applied in less than 50ms
- HOLD – Lift Current automatically reduced to optimized Holding Current
- FEATHER – Magnet current slowly reduced
- INSTANT DISCHARGE – Magnet discharges through IGBT Discharge Circuit – No voltage spike
- CLEAN – 100% Reliable – Instant reversal of magnet current – No voltage spike
- SWEEP – Current set to a low level to clean a rail car without moving the car
- INHIBIT NEXT LIFT – Won't allow initiation of a new lift in battery backed applications when main supply is lost

Improve Production – Run Cooler – Save Energy

- Increased Lift Capacity
- Reduced discharge time
- Reduced cleaning time
- Reduce cycle time
- Improved lift capacity throughout the shift
- Reduced magnet temperature – Fewer magnet change-outs

Additional Benefits

- Solid-state construction – No moving parts
- Less maintenance
- Use existing connections
- Use existing or operator controls
- Use existing DC power supply
- Use existing of new magnet
- Eliminates need for dual voltage magnet controls
- Voltage spikes eliminated – Protects the entire electrical system

Control the Current
Control the Magnet

Specifications

- **Voltage:** 230 VDC Nominal, 300 VDC Max, 120 VDC min
- **Ambient Temperature Range** – +50°C Maximum to -10°C Minimum
- **Rated Current at 50% Duty Cycle:**
  150 Amps in -10°C to +50°C environment or 125 Amps in -10°C to 60°C environment
- **Operating modes:** Lift, Hold, Feather, Clean
- **Dimensions:** 37 ½" (L) x 19 ½" (W) x 14 ½" (D) Approx.
- **Type** – Microprocessor
- **Weight** – 125 lbs.
- **Diagnostics & Parameter Adjustment** – Data Terminal, Part No. A62499

Designed and Manufactured by:
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