



# HC4275R2300, MagnifierDC™ Magnet Controller

By Hubbell Industrial Controls  
Catalog # [HC4275R2300](#)



MagnifierDC™, Solid State Magnet Controller, 350A, 300 VDC

## Features

- Up to 4 sets of magnets, each magnet setup selectable via external contacts
- Operable via LIFT/DROP Switch, Pushbuttons, Master Switch or Radio Control
- Provides adjustable control of voltage and current for the full magnet operating cycle
- Provides reduced energy consumption and cooler magnet operations via tailored holding current
- Configurable Ethernet connection for customer read-only remote monitoring of all parameters, faults and operations
- Provides Overcurrent (OC) setpoints and protection via alarms and trips
- Instantaneous OC level operates digitally
- Regen (Dump) system overvoltage protection operates digitally, with analog backup in case of CPU failure; Regen resistor continuously monitored for failure, regen circuit tested prior to every lift
- Provides up to 6 differing control methods for Fanning / Dribble and single plate release (requires customer field adjustments and separately supplied operating pushbuttons or pilot devices)
- Prevents, protects, alarms or monitors
- Instantaneous and long-time overcurrent
- Magnet (output) short circuit
- System open circuit detection
- Overhead Magnet (value per customer setpoint)
- LIFT watchdog timer, adjustable Alarms only, based on time on in LIFT without a DROP operation
- Heat sink overtemperature
- 20 "Last Faults" recorded; without HMI attached\*

## Application

- Steel Mill
- Scrap Yard

## General

Series	MagnifierDC™ Magnet Controller
Type	Solid-State

## Electrical Ratings

Current / Amperage Rating	350 A
Operating Voltage	300 VDC

## Product Assets

[Brochures - Magnifier Digital Magnet Control System](#)  
[Software Downloads - 4275 MagnifierDC™ HMI Simulator](#)



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ICD-HC4275R2300-SPEC-EN | REV 4/2023

