

AUTOMATIC DISCHARGE MAGNET CONTROLLERS

Winkle type "M" automatic discharge magnet controllers are designed for use with a solid state rectifier or generator power supply. All designs provide reliable control for all types of lifting magnets. Winkle magnet controllers are available for 230 VDC and variable voltage magnets. Typical controller requirements range from scrap processing to steel mill applications.

Standard Features:

- 230 VDC, current ranges from 10 to 350 amps
- Front wired constructions
- Nema 1 ventilated indoor enclosures
- Reverse current rheostat mounted on enclosure panel
- Pre-wired discharge resistor assemblies
- Isolated rectifier or generator power source
- Control circuit terminal strips
- Lift/drop master switch
- Fast and clean release of full magnet loads
- Controlled "Dribble" of magnet loads (when used with 3 wire control only)

Standard Units To Include:

- Two (2) clapper type single pole "LIFT" Contactors
- Two (2) clapper type single pole "DROP" Contactors
- Set of custom designed heavy duty discharge resistors
- Control circuit and reverse current drop circuit fuses
- Reverse current diode assembly with rheostat
- Electrical interlock provided for customer use



SPECIFICATIONS

Winkle Part Number	Amperage Min./Max.	Input Voltage	Power Supply Required	Controller Size	Output Voltage	Approximate Weight (lbs.)	Dimensions Overall (inches)
WI-MCM-35	10/35	230 VDC	10 kW	1	230 VDC	150	36 x 24 x 10
WI-MCM-60	25/60	230 VDC	15 kW	2	230 VDC	150	36 x 24 x 10
WI-MCM-135	40/135	230 VDC	32 kW	3	230 VDC	210	40 x 30 x 16
WI-MCM-175	85/175	230 VDC	42 kW	4	230 VDC	210	46 x 30 x 16
WI-MCM-350	170/350	230 VDC	85 kW	5	230 VDC	270	48 x 36 x 18

Optional Features:

- Special enclosure types and sizes
- Fanning or reduced voltage controllers
- Special electrical requirements

Contact Winkle Industries to receive an engineered solution for your specific magnet controller requirement.