

Euclid™ Lifting Magnet Controller

4291 PL

How to Order

1. Specify magnet operating current - COLD
2. Size of controller, voltage and discharge type
3. Magnet controller pilot devices and accessories are optional.
Specify "Fanning Package" if desired, for extended dribble control.
5. Order by part number



Specifications

Size	System Voltage	Control Voltage	Max* Magnet Current	Part Number	Min Cold Magnet Ohms
2	230/250	230/250	50	91804-202	5.50
3	230/250	230/250	130	91819-202	1.92
4	230/250	230/250	175	91805-202	1.43
5	230/250	230/250	350	91806-203	0.71
5A	230/250	230/250	500	91902-XXX	0.50
2	230/250	12/24	50	91842-XXX	5.50
3	230/250	12/24	130	91820-202	1.92
4	230/250	12/24	175	91845-203	1.43
5	230/250	12/24	350	XXXXX-XXX	0.71
5A	230/250	12/24	500		0.50

Reduced Voltage, Automatic Discharge, Varistor Discharge

3	250/180	230/250	130/101	91807-XXX	1.92
4	250/180	230/250	175/137	91808-202	1.43
5	250/180	230/250	350/274	91809-203	0.71
5A	250/180	230/250	500/391	91916-002	0.50

Generator Booster Type, Automatic Discharge, Varistor Discharge

3	275/200	230/250	130/95	91810-202	1.92
4	275/200	230/250	175/127	91811-202	1.43
5	275/200	230/250	350/255	91812-202	0.71

* Controller ampacity is based on being used with a 50% duty magnet at 40°C ambient.

Reduced Voltage Type (230) Volt Lift, 180 Volt Transport Automatic Discharge Type - For use with a constant potential supply

Maximum Cold Magnet Current	Controller Size	NEMA 1/3R Enclosed Part Number	Magnet Economizing For Separate Mounting Resistor ¹ *
130/101 Amp	1	4291-91807-XXX	Consult Factory
175/137 Amp	4	4291091808-202	Consult Factory
350/274 Amp	7	4291-91809-203	Consult Factory
500/391 Amp	7+	4291-91916-002	Consult Factory

¹ When ordering, please specify cold magnet current. Resistor price includes covers.

Pilot Devices & Accessory Additions

Description	Part Number
"Lift-Drop" NEMA 1 Enclosed Master Switch (Standard for Euclid Lifting Magnet Controllers)	TA4215
Type 4211 "Lift-Drop" NEMA 3R enclosed Master Switch	HC4211-99848-012
Type 4211, Catalog #4211-125MIFXI "Lift-Drop" NEMA 1 Surface Mounting Master Switch	HC4211-99848-001
Type 4211, Catalog #4211-125MIFXI "Lift-Drop" NEMA 1 Flush Mounting Master Switch	HC4211-99848-002
Type 2015, Catalog #SWPBC-MXI "Lift-Drop" NEMA 4 Maintained Type Surface Mounting Pushbutton Station	Consult Factory

These pilot devices are arranged to permit "dribbling" when used with Euclid Magnet Controllers.

Optional Features:

- Additional N.O.N.C. auxiliary contact brought out to control terminal board
- Arc suppressors for remote radio control operation
- 120 V.A.C. "Lift-Drop" interface relays