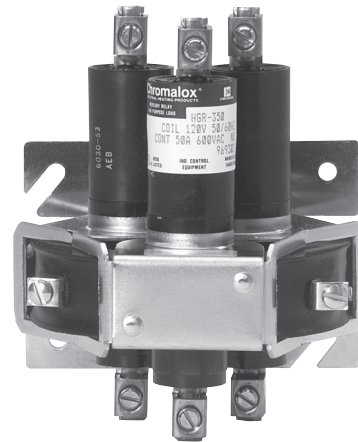


HGR Magnetic Contactors

- Mercury Displacement Type
- Quiet Operation
- Hermetically Sealed Mercury Contacts
- 2 or 3-Pole, 35 - 120 Amps

HGR Open Type

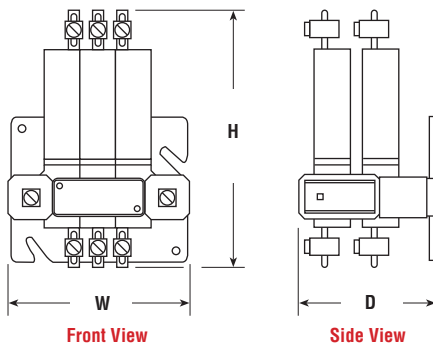


Description

The HGR Mercury Displacement contactor withstands rapid cycling of up to thirty times a minute because there is only one frictionless, moving part—a ferromagnetic plunger that floats on the mercury pool. When the relay coil is energized this plunger is pulled into the mercury pool causing the mercury level to rise. The rising mercury then contacts a secondary mercury pool, or directly contacts the center electrode.

Features

- Superior arc-quenching takes place within hermetically sealed body, making relays impervious to dirt, dust, moisture, and chemical vapors. Arcing is confined within a sealed arc-quenching gas atmosphere that dissipates heat and extends relay life.
- Operational and maintenance costs are reduced because there are no springs or button contacts to wear out, pit, or burn. Because of simplified construction of the contact tube and coil termination, installation and service are routine operations that can be handled by an electrician without sophisticated equipment.
- Compact size allows space savings for panel-mounted applications.
- Low, predictable contact resistance and reduced RFI improve the interface capability with electronic control devices.



Open Type (In.)

	H	W	D
HGR-235	4-11/16	4	2-5/8
HGR-335	4-11/16	4	3-5/8
HGR-350	4-11/16	4	3-5/8
HGR-360	5-1/2	4	3-3/4
HGR-380	5-3/4	5-3/4	5
HGR-3100	5-3/4	5-3/4	5
HGR-3150	6-1/4	5-3/4	5

Specifications and Ordering Information

All Dimensions in Inches

Poles	Ampere Rating Per Pole						Holding Coil ¹ VA	Open Type (without Enclosure) ²			
	120V	208V	240V	277V	480V	600V		Model	Stock	PCN	Wt. (Lbs.)
2	35	35	35	35	35	35	13.2	HGR-235	NS	240100	2
3	35	35	35	35	35	35	27.6	HGR-335	S	240119	3
3	50	50	50	50	50	50	21.0	HGR-350	S	240127	3
3	60	60	60	60	60	—	27.6	HGR-360	NS	240135	3
3	80	80	80	80	80	—	82.8	HGR-380	NS	240143	6
3	100	100	100	100	100	—	84.0	HGR-3100	NS	240151	7
3	150	140	135	130	120	—	86.9	HGR-3150	NS	240160	7

Stock Status: S = stock NS = non-stock

Notes —

1. 120 Vac coils.
2. UL Listed.