



GEH-4890 INSTALLATION INSTRUCTIONS

300-Line Enclosure -CR310X, CR311X, CR390X

For NEMA Size 0 & 1

Caution: Before installing in a nuclear application, determine that the product is intended for such use.

Warning: Disconnect all power before installing or servicing this device, death or serious injury may result.

Description

These enclosures are for use in assembling open NEMA Size 0 & 1 reversing controllers to an enclosure.

Selection Of Wiring Diagrams, Heater Labels, And Instructions

Select wiring diagram and heater table from Table 1 and affix both to inside of enclosure cover. Select instruction sheet from Table 1 and place inside enclosure.

Wiring diagrams, heater tables, and instructions are packaged with each enclosure. After selecting appropriate copies, discard those not used.

Refer to heater tables for list of suitable fuse clip kits and circuit breakers to be installed in these starters.

Wiring

Power wire between circuit breaker or disconnect switch to top of starter with 90°C, Type MTW copper wire, UL Listed and CSA Certified. Use AWG #14 minimum for Size 0 starters and AWG #12 minimum for Size 1 starters.

Wiring for control circuit fuses is shown on the GEJ wiring diagrams.

Wiring for control transformer is shown on instructions with transformer kit.

Comb. Starter Description	Enclosure Catalog Number			
	Type 1	Type 12	Type 3R	Type 4
w/Circuit Breaker	CR310X190B	CR310X190E	CR310X190J	CR310X190S
w/Disconnect Sw.	CR311X190B	CR311X190E	CR311X190J	CR311X190S
w/Mag-Break® Circuit Breaker	CR390X190B	CR390X190E	CR390X190J	CR390X190S

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Table 1

Enclosure Catalog Number	NEMA Size 0 & 1	
	Instruction Sheet	Wiring Diagram
CR310X190B, E, J, S	GEH-5193	GEJ-6453
CR311X190B, E, J, S		
CR390X190B, E, J, S		

Standard Heater Label (CR310)	.55-190104
Ambient Compensated Heater Label (CR310)	.55-190133
Standard Heater Label (CR311)	.55-192105
Ambient Compensated Heater Label (CR311)	.55-192137
Standard Heater Label (CR390)	.55-191385
Ambient Compensated Heater Label (CR390)	.55-193548

These instructions do not purport to cover details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation, or maintenance. Should particular problems arise which are not covered sufficiently for the Purchaser's purposes, the matter should be referred to the nearest ABB sales office

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