C–2000™ Control

CLXE2A through CLXE2H NEMA Type 12/3R Enclosures for CL Contactors

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

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

Notice: *Use UL Listed conduit hubs to provide connections for wiring system.*

Description

The enclosures CLXE2A through CLXE2H are intended for use with CL type contactors and starters as indicated in Table 1 below. These NEMA Type 12/3R enclosures are rated for Dust-tight or Raintight environments. The enclosure is configured as a NEMA Type12 when shipped from the factory. Pilot devices may be added to this enclosure as indicated in Table 2. Enclosures may be used with a Control Power Transformer as shown in Table 1.

Storage Instructions:

If this starter is not used for extended periods of time, heat the enclosure to prevent internal water condensation. Damage may be caused by internal water condensation. Space heater kits may be installed and energized to provide heat.

Table 1. Enclosures for use with CL contactors and starters

Use With Contactor / Starter	Control Transformer	Non Reversing Contactor / Starter	Reversing Contactor / Starter	Wye-Delta Starter	2S / 2W Starters
CL00A, CL01A, CL02A	No CPT	CLXE2A	CLXE2C		CLXE2C
CL25A, CL04A, CL45A	With CPT	CLXE2C	CLXE2E	CLXE2G	CLXE2E
CL06A, CL07A, CL08A	No CPT	CLXE2B	CLXE2D		CLXE2D
CL09A, CL10A	With CPT	CLXE2D	CLXE2F	CLXE2H	CLXE2F

Control Power Transformers

With enclosures CLXE2C through CLXE2H use Control Power Transformers CR308XT1**A for 50 VA and CR308XT1**B for 150 VA. See GEP-1260 for details on selecting these units.

Pilot Devices

Any P9 type push buttons, selector switches and pilot lights may be used with these enclosures. Table 2 shows some recommended selections. See GEP-1260 for more information.

Table 2. Pilot Devices for Enclosures (Make all wiring connections with 75°C copper wire.)

Function	Operator	Contact Block	Power Supply	Nameplate	Nameplate Adapter
Start Button	P9SPNVG	P9B10VN	N/A	P9ACPBS202	P9ASTBS
Stop Button	P9SPNRG	P9B01VN	N/A	P9ACPBS201	P9ASTBS
Forward Button	P9SPNVG	P9B11VN	N/A	P9ACPBS214	P9ASTBS
Reverse Button	P9SPNVG	P9B11VN	N/A	P9ACPBS215	P9ASTBS
H-O-A Selector	P9SSMZ0N	(2) P9B10VN	N/A	P9ACPBS261	P9ASTBS
On-Off Selector	P9SSMD0N	P9B10VN	N/A	P9ACPBS233	P9ASTBS
Fwd-Rev Selector	P9SSMD0N	P9B11VN	N/A	P9ACPBS231	P9ASTBS
Fwd-Off-Rev Selector	P9SSMZ0N	(2) P9B10VN	N/A	P9ACPBS239	P9ASTBS
Red "ON" Light	P9SLRD	N/A	P9PDNVL	P9ACPBS212	P9ASTBS
Red "FWD" Light	P9SLRD	N/A	P9PDNVL	P9ACPBS214	P9ASTBS
White "REV" Light	P9SLBD	N/A	P9PDNVL	P9ACPBS215	P9ASTBS
Green "OFF" Light	P9SLVD	N/A	P9PDNVL	P9ACPBS213	P9ASTBS
Yellow "START" Light	P9SLGD	N/A	P9PDNVL	P9ACPBS202	P9ASTBS

* 120V full voltage power supply, for other voltages see GEP-1260.

Overload Relay Reset

Use kit number CLXR21 for installing an overload relay reset button. Two kits are required for two speed controllers.

Use only 75°C copper wire with this enclosure.

Converting the Enclosure to NEMA 3R

The enclosures are configured as NEMA Type 12 (dust-tight) devices when shipped from the factory. Convert the enclosure to a NEMA Type 3R (raintight) device by opening a weep hole in the bottom of the enclosure. This is easily done by removing the weep hole screw from the bottom of the enclosure.

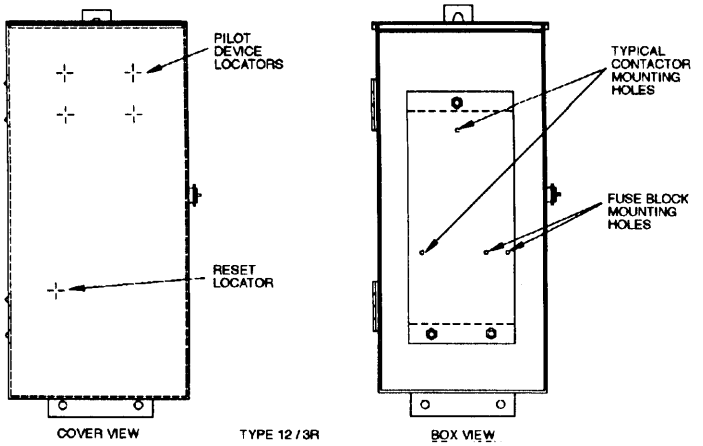

Figure 1, CLXE2A, CLXE2B

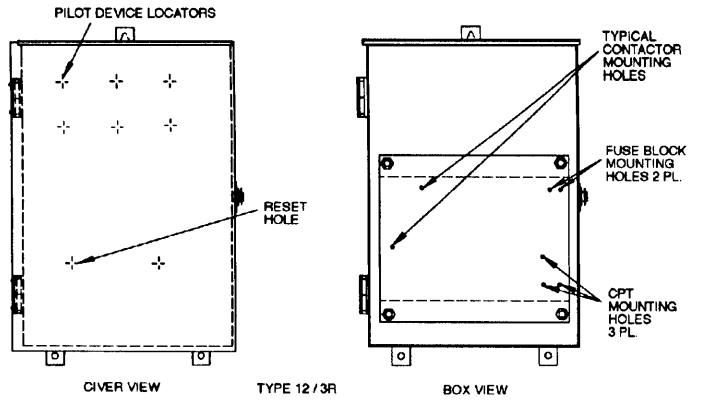

Figure 2. CLXE2C, CLXE2D when used with FVNR starter and CPT

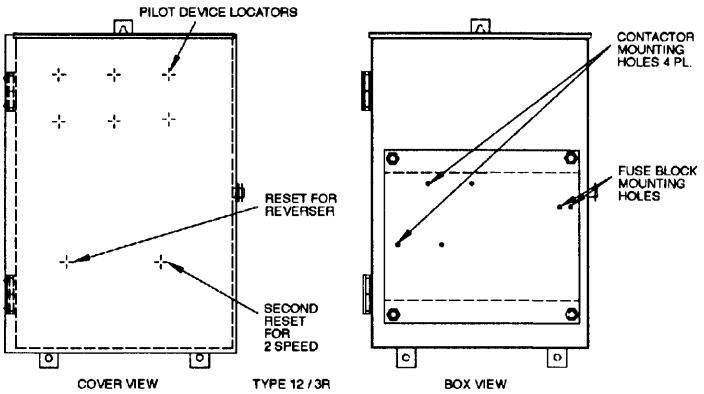

Figure 3. CLXE2C, CLXE2D when used with reverser or 2-speed starter and no CPT

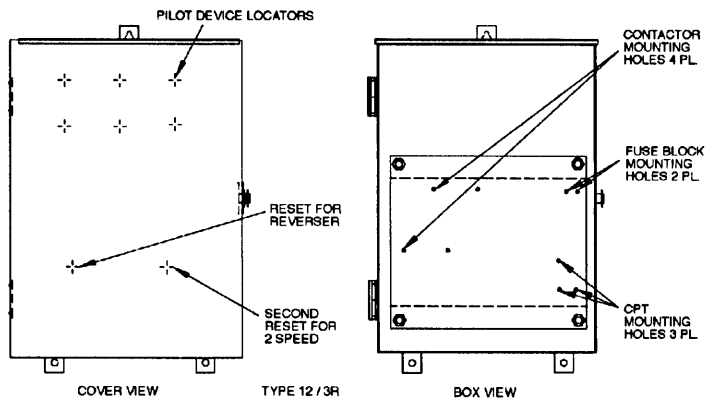

Figure 4. CLXE2E, CLXE2F

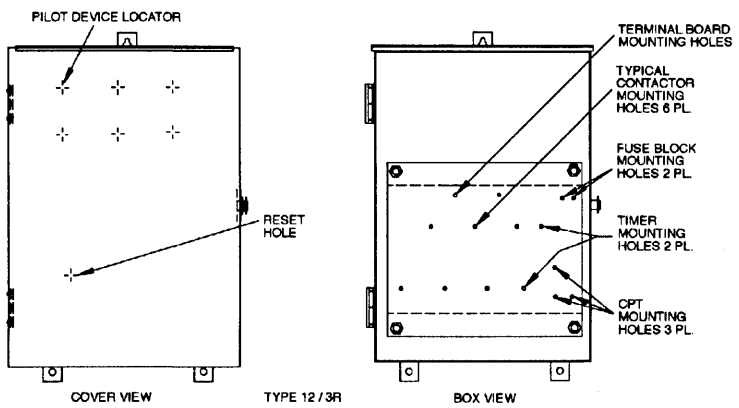

Figure 5. CLXE2G, CLXE2H

These instructions do not purport to cover all 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 GE ED&C sales office.

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