

American Electric Power

Customer Owned Current Transformer Enclosures Specifications

Enclosure Construction

In non-corrosive areas, steel enclosures may be used. For Corrosive areas see page 2. Steel enclosures shall be a minimum of G-90 galvanized steel. All edges shall be smooth after forming. Enclosure shall be painted after fabrication. Finish coat shall be minimum of 2 mils thickness and provide a tough, non-chalking weather resistant finish. Construction shall be in accordance with ANSI/UL50. Outdoor enclosures shall be rated Type 3R. Current transformer enclosure shall be fitted with hinged door(s) and sealing shall be provided by minimum stainless steel latch and rivet with provision for 3/8-inch padlock and/or ribbon seal. The inside back of enclosure shall be entirely covered by 3/4 inch treated plywood or suitable mounting brackets may be provided. A grounding lug shall be provided to ground the enclosure.

Protection

Enclosures shall be designed to protect the public against accidental contact with the electrical devices. Guard against unauthorized use of electric service and cannot be opened without either breaking the seal or visibly damaging the enclosure.

UL Listing

All current transformer enclosures shall be Underwriters Laboratories Listed and labeled.

Company	Size	Catalog Number
Austin Enclosures 1-800-288-2851	36 x 36 x 12 48 x 48 x 12	363612WL 484812WL
B-Line by Eaton 1-800-851-7415	36 x 36 x 12 48 x 48 x 12 60 x 60 x 15	363612 WB DDHRTCT 484812 WB DDHRTCT 606015 WB DDHRTCT
Hoffman Engineering 1-800-355-3560	36 x 36 x 12	A363611HCT
Wiegmann Company 1-618-539-3193	36 x 36 x 12 48 x 48 x 16	CTDD363612 CTDD484816
Brooks Utility Products 1-888-877-3008	36 x 36 x 13 48 x 48 x 13 60 x 60 x 15	507U6546 507U6547 Call factory
Milbank Manufacturing Company 1-816-483-5314	36 x 36 x 12 48 x 48 x 12 60 x 60 x 15	363612-LC3R-SP-WB 484812-CT3R-WB 606015-CT3R-WB
Unity Manufacturing 1-972-272-9502 or 1-800-657-6100	36 x 36 x 12 48 x 48 x 12 60 x 60 x 15	AEP363612SDCT3 AEP484812DDCT3 AEP606015DDCT3
The Durham Company	36 x 36 x 12 48 x 48 x 12	U363612-RDW U484812-DDW

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Corrosive Environments

Aluminum or fiber reinforced polyester enclosures must be used in corrosive areas. Corrosive areas are installations within 30 miles of the Gulf of Mexico coast and any other area where high moisture or chemical exposure may exist such as chemical plants or water treatment plants. Enclosure construction shall be in accordance with ANSI/UL50. Outdoor enclosures shall be rated Type 3R. Current transformer enclosure shall be fitted with hinged door(s) and sealing shall be provided by high strength stainless steel latch with provision for 3/8-inch padlock and/or ribbon seal. Exposed hinges and hardware shall be minimum 316-grade stainless steel or better. Other methods of sealing may be acceptable, but must be approved by AEP prior to being utilized. The inside back of enclosure shall be entirely covered with back plate or suitable mounting brackets may be provided. Enclosure ventilator required. A grounding lug shall be provided to ground the enclosure.

UL Listing

All current transformer enclosures shall be Underwriters Laboratories Listed and labeled as such.

Company	Size	Catalog Number
Carlton 1-800-322-7566	40 x 40 x 12	HL3030 HL4040 HLTEL required or stainless latch and hasp assembly
Brooks Utility Products 1-888-687-3008	36 x 36 x 13 48 x 48 x 13 60 x 60 x 15	574U7192-204 574U6546-195 574U6547-196 Call Factory
Milbank Manufacturing Company 1-816-483-5314	36 x 36 x 12 48 x 48 x 12 60 x 60 x 15	363612-LC3RXA-SP-WB 484812-CT3RXA-WB 606015-CT3RXA-WB