

**CONNECTOR
MANUFACTURING
COMPANY**

PRODUCT GUIDE

Contractor Cabinet Series



Wall and pad mounted termination enclosures

Connector Manufacturing Company's (CMC®) UL secondary termination enclosures offer a flexible, convenient and reliable solution to address all your tapping and termination needs.

CMC's line of secondary termination enclosures differs from traditional enclosures by incorporating dual rated aluminum bus bars with mechanical set screw connections in lieu of flat copper bus.

Utilized for transformer segregation, single — or multi-service junctions, ideal for high amperage applications, or individual transformers feeding multiple services.

Range taking design offers for *mechanical* connections:

- ✓ No compression lugs
- ✓ No complex tools or dies
- ✓ Easier installation
- ✓ NEMA type 3R enclosure
- ✓ Pad or wall mounting
- ✓ Fewer possible hot spots
- ✓ Quick disconnect or re-service
- ✓ Lowest overall cost

Termination Enclosure construction

- Solid welded construction — welds and seams ground smooth.
- NEMA type 3R rain-proof enclosure, manufactured from .125 thick aluminum.
- Manufactured to meet or exceed Western Underground Guide 2.13, security for pad-mounted equipment integrity.
- Underwriters laboratories listed.
- Hinge-loose joint pin fastened to door (allows door to be removed in open position only).
- Cross kinked roof for added strength and prevention of standing moisture.
- Finish coat is Munsell green oven-cured powder coat for the padmount and gray oven-cured powder coat for the wallmount units.
- Finish coat meets or exceeds EEI paint specification.
- All mounting hardware is 18-8 stainless steel secured by 3-point positive latch mechanism (operated by 1/2 turn, captive, and recessed penta head bolt) and shielded padlock shackle.

Ordering Designators

Add suffix:

- **R** - Reverse Stagger the Bus Bars (to run cable in from the top)
- **CU** - Copper NEMA Mount Bus Bars
- **C** - Platisol Covers for Bus Bars
- **DF** - Dead Fronts

Three-phase termination enclosures featuring aluminum mechanical bus bars

NEMA 3R (rain-proof), 1000 volt rated

Features

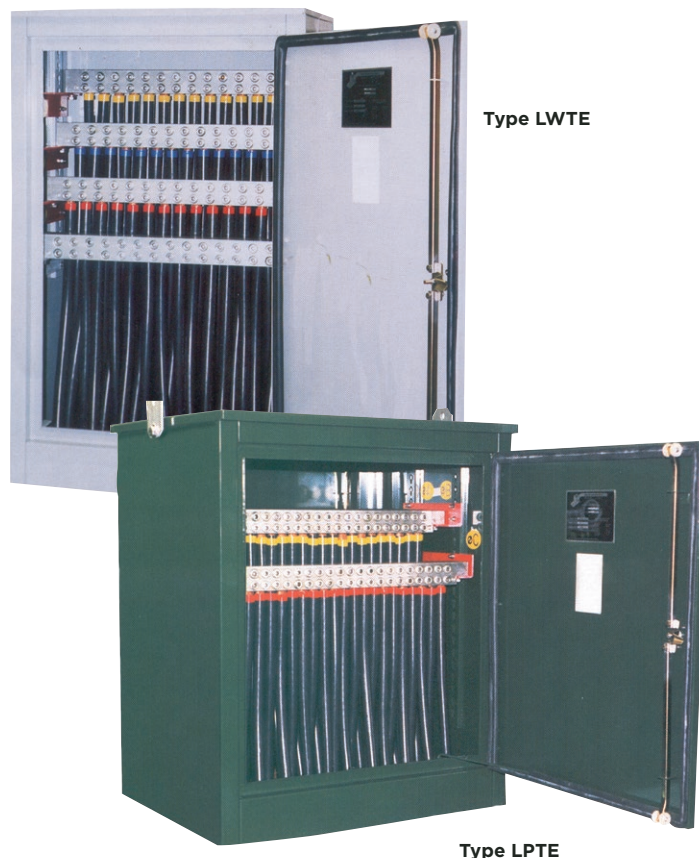
- Aluminum mechanical bar connector eliminates compression tools, lugs and bolt assemblies.
- Aluminum enclosure is lightweight, low maintenance and has excellent corrosion resistance.
- All-welded construction - welds and seams are ground smooth.
- All mounting hardware is 18-8 stainless steel.

Type LWTE - wall-mounted

- Ample working space allowing for easier termination with a removable swinging door.
- Manufactured to meet or exceed ANSI C57-12.28 for wall - mount equipment enclosure integrity.
- Three - point positive latch mechanism (secured and operated by a half turn, captive and recessed penta head bolt) and shielded padlock shackle.
- Finish meets or exceeds proposed EEI paint specification.
- Finish is ANSI gray oven cured powder coat.

Type LPTE - pad-mounted

- Manufactured to meet or exceed ANSI C57-12.28 for pad - mount equipment enclosure integrity.
- Removable swinging doors. Doors have stainless steel lift off hinges with stainless steel three point locking handles and recessed stainless steel pentahead bolts for security.
- Finish is Munsell green oven cured powder coat.



Type LWTE

Type LPTE

Any pad mount enclosure can be made with a lift-off (removable) top. In order to designate this use “LPLE” instead of “LPTE”.

Technical Specifications

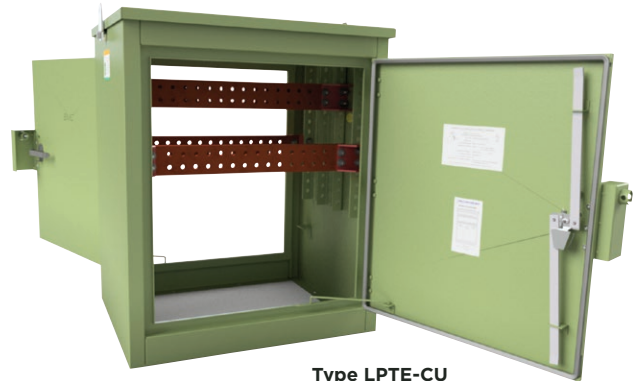
| Catalog Number | Cond. Range AWG | No. of Cond. per Phase | Dimensions (in) | | | UL Listed Amperage Rating | |
|----------------|------------------|------------------------|-----------------|----|----|---------------------------|----------|
| | | | W | D | H | Copper | Aluminum |
| LWTE | | | | | | | |
| LWTE21-500 | 500 - 10 kcmil | 21 | 32 | 16 | 51 | 3800 | 3100 |
| LWTE14-750 | 750 - 2 kcmil | 14 | 32 | 16 | 51 | 3325 | 2695 |
| LWTE14-1000 | 1000 - 1/0 kcmil | 14 | 32 | 16 | 51 | 3815 | 3115 |
| LPTE | | | | | | | |
| LPTE14-750 | 750-2 kcmil | 22 | 25 | 24 | 44 | 3325 | 2695 |
| LPTE22-750 | 750 - 2 kcmil | 22 | 36 | 30 | 44 | 5225 | 4235 |
| LPTE24-750 | 750 - 2 kcmil | 24 | 48 | 54 | 44 | 5700 | 4620 |
| LPTE30-750 | 750-2 kcmil | 30 | 48 | 30 | 44 | 4905 | 4005 |
| LPTE30-1000 | 1000-1/0 kcmil | 30 | 54 | 52 | 44 | 5225 | 4235 |

Consult factory for special applications or conductor sizes.

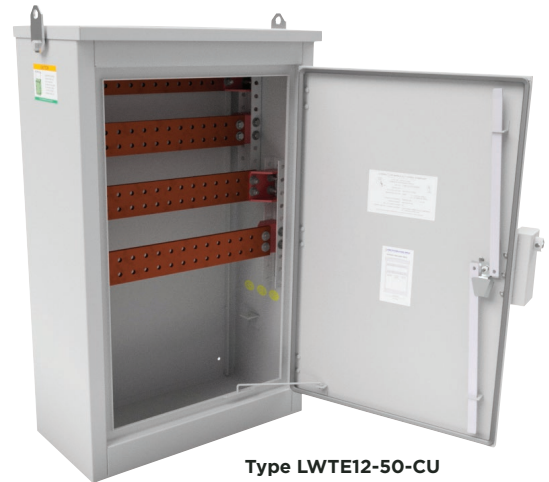
Aluminum termination enclosures featuring NEMA spaced copper bus bars

Features

- CMC's new line of aluminum enclosures is lightweight, low maintenance and has excellent corrosion resistance.
- Cabinets provide ample working space, allowing for easier termination with a removable swinging door.
- All-welded construction: welds and seams are ground smooth.
- Cabinets are manufactured to meet or exceed ANSI C57-12.28 for wall-mount equipment enclosure integrity.
- Three-point positive latch mechanism (secured with a captive and recessed penta-head bolt), and shielded padlock shackle.
- Finish meets or exceeds proposed EEI paint specification.
- Cabinets are made to order with custom configurations for amperage etc.
- All mounting hardware is 18-8 stainless steel.
- Solid CDA110, NEMA spaced copper bus
- Bus accepts NEMA spaced 2-hole and 4-hole lugs back to back. (Twice the number of cables may be connected if front and back of bus are used).



Type LPTE-CU



Type LWTE12-50-CU

Type LPTE-CU - pad-mounted

- Pad Mount finish is Munsell Green.

Type LWTE12-50-CU - wall-mounted

- Wall Mount finish is ANSI Gray.

As with our entire cabinet line, custom configurations and amperage requirements available upon request. Contact your local rep.

CMC recommends the use of CHL copper, NEMA spaced compression lugs and SBAXX-HD bolt assemblies for your best connection option.

Technical Specifications

| Catalog Number | No. of Cond. per Phase | Dimensions (in) | | | Amperage Rating |
|----------------|------------------------|-----------------|----|----|-----------------|
| | | W | D | H | Copper |
| LPTE-CU | | | | | |
| LPTE14-50-CU | 14 | 36 | 30 | 40 | 2000 |
| LPTE22-50-CU | 22 | 50 | 30 | 44 | 2000 |
| LPTE32-50-CU | 32 | 64 | 30 | 44 | 2000 |
| LPTE14-10-CU | 14 | 36 | 30 | 40 | 4000 |
| LPTE22-10-CU | 22 | 50 | 30 | 44 | 4000 |
| LPTE32-10-CU | 32 | 64 | 30 | 44 | 4000 |
| LWTE12-50-CU | | | | | |
| LWTE12-50-CU | 12 | 32 | 16 | 51 | 2000 |
| LWTE12-10-CU | 12 | 32 | 16 | 51 | 4000 |

CT Cabinet options and designators

| | |
|----------------------------------|---|
| Hinges: | Stainless steel lift off |
| Nuts and Bolts: | Stainless steel |
| Hardware: | Handles and Corbin locks are stainless steel or zinc plated |
| Windows: | Lexan © |
| Backboards: | 3/4" exterior grade plywood (Treated) - can be easily removed for shop wiring |
| Ground Lug: (standard) | AL-CU lug furnished ~ will accommodate #2-12 conductors |
| Hub Opening: | Standard sizes from 1 to 1.25 inches available |

Specifications subject to change without notice.

Code Letters

| | | | |
|--------------|--|------------|--|
| A | Aluminum | RC | Removable Cover |
| B | Barfield | SC | Screw Cover |
| CT | Current Transformer | SD | Single swinging door with heavy-duty pull-down catches for seal or padlocking or on request a 3-point locking handle for seal or padlocking with stainless steel lift-off hinges |
| DD | Double Door | SP | Single Phase |
| DH | Drop Hinge | TB | Terminal Box |
| F | Fan | TBB | Test Block Bridge (BA413TBB) for Meter Test Switch |
| FB | Front and back door with 3-point locking for seal or padlocking with stainless steel lift-off hinges | THB | Tru-Bolt |
| FSC | Flush Cover | TP | Three Phase |
| SC | Gasket Screw Cover | VT | Voltage Transformer |
| LAGSC | Lag Screw | | |
| LW | Lexan© Windows in demand reset cover (additional cost) | | |

CT Enclosures, NEMA 3R



Mounting Board

3/4" exterior grade treated plywood, standard. Add "-AP" for aluminum back-plate at extra charge.

Cover

The cover is removable and has provisions for sealing and locking.

Swinging doors have stainless steel lift-off hinges. Pentahead stainless steel bolts for security.

Custom Built CT Enclosures Material

.090 aluminum, .125 on request (add "-H").

Hubs

When requested at extra charge.

- HUB1 - 1 inch diameter
- HUB125 - 1.25 inch diameter
- HUB15 - 1.5 inch diameter
- HUB2 - 2 inch diameter

Ground Lug

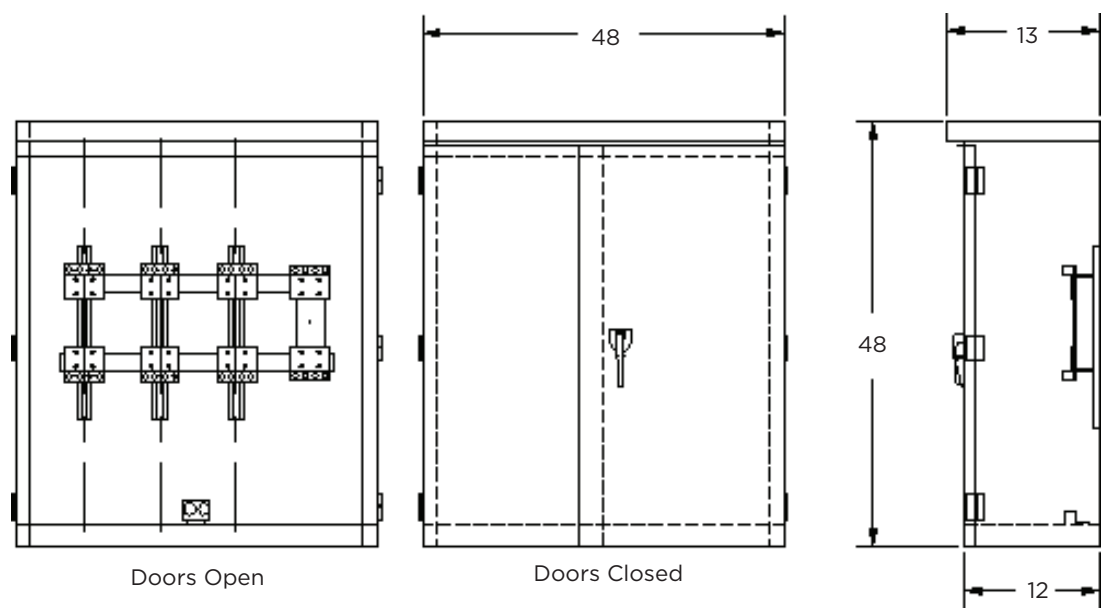
Al-Cu lug furnished. Will accommodate #2-12 conductors.

Vents are designed to meet ANSI C57.12.28-1988 for pad mounted equipment enclosure integrity.

| Catalog Number | Pkg | Depth (in) | Width (in) | Height (in) | Board Size (W x H) |
|----------------|-----|------------|------------|-------------|--------------------|
| BACT101830SD | 1 | 10 | 18 | 30 | 8" x 22" |
| BACT102424SD | 1 | 10 | 24 | 24 | 22" x 22" |
| BACT103030SD | 1 | 10 | 30 | 30 | 27" x 27" |
| BACT113636SD | 1 | 11 | 36 | 36 | 32" x 32" |
| BACT153232SD | 1 | 15 | 32 | 32 | 30" x 26" |
| BACT163649SD | 1 | 16 | 36 | 49 | Not Included |
| BACT274458SD | 1 | 27 | 44 | 58 | Not Included |
| BACT71618SD | 1 | 7 | 16 | 18 | 8" x 10" |
| BACT71624SD | 1 | 7 | 16 | 24 | 8" x 16" |

Special sizes and modifications available upon request.

Current Transformer Enclosures NEMA 3R for Bar Type CT



Mounting Device

500MCM-4 hole connectors (2 per phase) mounted on fiberglass reinforced thermoset polyester. The fiberglass is mounted on T-SLOT EXTRUSION and is adjustable.

Door

Standard swinging door with stainless steel lift off hinges and stainless steel 3-point locking handle. Doors have brackets, which hold them in the open position.

Material

.090 aluminum, unpainted (standard). Optional powder coat at extra charge (contact your rep). .125 material upon request add "-H".

Ground Lug

Will accommodate two ground wires. Range taking 250MCM-6

Louver (optional)

Three sets of 4" louvers with screens not shown on picture.

Hub

When requested at extra charge.

- HUB1 - 1 inch diameter
- HUB125 - 1.25 inch diameter
- HUB15 - 1.5 inch diameter
- HUB2 - 2 inch diameter

| Catalog Number | Depth | Width | Height | No. of Conductors per Phase |
|-----------------------------------|-------|-------|--------|-----------------------------|
| BACT124848DD-4LUG | 12" | 48" | 48" | 4 (500MCM - 10) |
| BACT123636DD-4LUG | 12" | 36" | 36" | 4 (500MCM - 10) |
| BACT133636DD-4LUG | 13" | 36" | 36" | 4 (500MCM - 10) |
| BACT174848DD-6LUG | 17" | 48" | 48" | 6 (500MCM - 10) |
| BACT206060DD-4LUG | 20" | 60" | 60" | 4 (500MCM - 10) |

Special sizes and modifications available upon request.



CMC® provides competitively priced connector, enclosure, and pole-line hardware solutions that minimize installation time while ensuring the highest level of quality and safety.

GET IN TOUCH:



cmccorders@cmclugs.com



(513) 860-4455



www.hubbell.com/cmc



Connector Manufacturing Company
3501 Symmes Road
Hamilton, OH 45015-1369

