American Electric Power
Customer Owned Meter Main/Combinations Specifications

Enclosure Construction
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 have a 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. Mounting bosses shall provide 0.125-inch minimum air space between back of the meter main/combinations and the mounting surface. Meter main/combinations sealing shall be provided by minimum 304 stainless steel latches and rivet with provision for 3/8-inch padlock and/or ribbon seal.

Protection
Enclosures shall be designed to protect personnel against accidental contact with the electrical devices. Guard against unauthorized use of electric service and be equipped with Barrel lock provision 7/8 inch on each cover and cannot be opened without either breaking the seal or visibly damaging the enclosure.

Meter main/combinations Jaws
Block assemblies shall be replaceable from the front. Current carrying meter main/combinations jaws shall be reinforced and have meter blade guides. The jaws shall be tin plated, capable of carrying full rated (continuous) current and withstand the mechanical and heat rise requirements of ANSI/UL 414.

Terminal Connectors
Terminal connectors shall be suitable for use with aluminum and copper conductors. Connectors shall be tin plated and capable of carrying full rated (continuous) current and withstand the mechanical and heat rise requirements of ANSI/UL 486B.

UL Listing
All meter main/combinations shall be Underwriters Laboratories Listed and labeled as such.

125 and 200 amp 4 terminal meter main/combinations shall have provisions for a 5th terminal and bypass horns for utilities use for manual bypass using jumper cables. When a 5th terminal is required it shall be installed in the 9 o'clock position and securely tied to the neutral. All meter mains shall have a double lay-in for the neutral connection. 200 amp underground meter main/combinations shall have one set of concentric knockouts in bottom left for 3-inch conduit and be of the side wire/bused design for straight in wiring. The left side will be for the line side and the right load side. 200 amp 5 and 7 terminal and all 320 amp meter main/combinations shall have a good quality jaw release manual operated bypass which is 100% rated.

All meter main and combinations shall be ringless style and shall be approved by local supervision and only to be used on residential sites.

Additional Note: AEP does not support the use of K-base meter bases.

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Siemens/Talon	**Milbank**
MM0202B1125RJB MM0202B1150RJB MM0202B1200RJB MM0406L1200RHJB MM0404L1400RLM MC0816B1200RTB MC2040S1200JLC (Solar metering) MC3042B1200RJB MC0408B1200RT MC0816B1200JLT LG0816B1100JLT LG0816B1200JLT LG0202B1100RBC LG0202B1125RBC LG0202B1150RBC LG0202B1200RBC LG0202L1200RBC LG0816B1100RBT LG0816B1125RBT LG0816B1200RBT LG0816B1150RBT LG2040B1150RB LG2040B1200RB LG0303CS3400R LG0303CS3400RD LG0404L1400RLM LG0404L1400RLC T0816B1150RJBT T0816B1200RJBT LG0816B1400RLT LG0816B1150RJBT LG0816B1200RJBT	U5168-XTL-100-KK-BLG U5168-XTL-150-KK-BLG U5168-XTL-200-KK-BLG U5268-XTL-200-KK-BLG U5898-O-200-KK-BLG U5844-PXL-100-KK-BLG U5891-X-2/200-BLG U5844-PXL-150-KK-BLG U5844-PXL-200-KK-BLG U5890-X-2/200-BLG U5891-X-2/200-BLG U5059-X-K3L-BLG U3798-O-200-BLG U5893-X-2/200-BLG U5894-X-2/200-MLK-BLG U6227-X-400-K3L-BLG U6229-X-400-K7L-BLG U6115-X-2/200-K7L-BLG USS6421 UA6421 USS6542 UA6542 U6421 U6452 UAP6421 UAP6452
Midwest	**Murray (Siemens)**
R281CB1AEP RS45508CAEP RS45500CAEP RS43300CAEP RS43308CAEP	JC0406L1200RHJB JC0202B1200RJB JC0202B1125RJB

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Square D	**General Electric**
RC816D200CH RC816F200CH QU12L400SL RC2040M200SHS	TSMR420CSCU
Cutler Hammer (Eaton)	
MBT48B125BTSBL MBT48B200BTSBL HP40SHLBL HP816P400BSLBL HP404040SHLBL MB816B200BTSBL MB2040B200BTSBL MBP200BTSBL MB816P200BTSBL MB1212L200BTSBL MBT48B200TSAPBL CMB1212L200BTS CMB2424B200BTS	**Horn bypass kit required** MBHBP kit
B-LINE	
ENCB10L24A3GR1N ENCB15L24A3GR1N ENCB20L24A3GR1N ECCB10L24A3GR1N ECCB10L27A3GR1N ELCB20L24A5GR1N ELCB20L27A5GR1N	**Horn bypass kit required** EHB125 – 125/150A EHB200 – 200/320A

Corrosive Environments

Corrosive areas are installations within 30 miles of the Texas 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 shall be of aluminum construction. Bottom front lip to be continuous fold up with slot cut for stainless steel hasp. Latch, rivet, hasp and exposed hardware will be minimum 316 series stainless steel. A minimum of five welds on the back and three welds on the sides, top, and bottom.