



Upper Peninsula Power Company

## Appendix A

# UPPCO Meter Base Requirements

1. 100-200 Amp Single-Phase UG
  - Requirements:
    - a. Ringless Type Meter Socket
    - b. Outdoor Enclosure (Nema type 3R)
    - c. 1 Phase, 3-Wire
    - d. 4 Jaw Meter Socket
    - e. Horn Bypass
    - f. Sealable
    - g. No cover over meter
    - h. UL Listed
  - Options:
    - Schneider Electric
      - UHT-RP2423-63
      - Extension: 1007680 (18") or 1008786 (30")
      - Available at Standard Electric
    - Cutler Hammer
      - UHT-RP2423-63-CH
      - Extension: 1007680-CH (18") or 1008786-CH (30")
      - Available at Menards
    - Midwest
      - UHT-RP2423-63-MEP
      - Extension: 1007680-MEP (18") or 1008786-MEP (30")
    - Landis & Gyr (Siemens)
      - UAP317-PPWI
      - Extension: 18" kit = 5007726 30" kit = 5007727
    - Millbank
      - U3358-0-KK
      - Extension: 15" K5800
      - Available at Westphal Electric
    - Midwest (100 Amp)
      - R101CP6

2. 100-200 Amp Single-Phase UG with Main
  - Requirements:
    - a. Ringless Type Meter Socket
    - b. Outdoor Enclosure (Nema type 3R)
    - c. 1 Phase, 3-Wire
    - d. 4 Jaw Meter Socket
    - e. Horn Bypass
    - f. Sealable
    - g. No cover over meter
    - h. UL Listed
  - Options:
    - Milbank
      - NU8980
        - K3701 connector block required to replace breaker
      - U3358-O-KK
        - K3082 set screw connector kit required.
      - U5925-O-200-KK
        - Meter main with load center
    - Cutler Hammer
      - 1008846-CH
      - Extension: 1009021-CH (18") or 1009024-CH (30")
      - Available at Wesco
    - Eaton
      - MHR100P Series
        - MHR100P Series Extension: CHPPEEXT100
      - MHR200P Series
        - MHR200P Series Extension: MHPEDEXT
        - ~~MHR200P1MMBPH~~ (Main breaker and 8 spaces)
          - Removed due to poor locking mechanism
      - Available at Menards & All-Phase
    - Siemens (Main breaker and 20 space circuit)
      - MC2040B1200RJBC (add extension)
      - Available at Home Depot

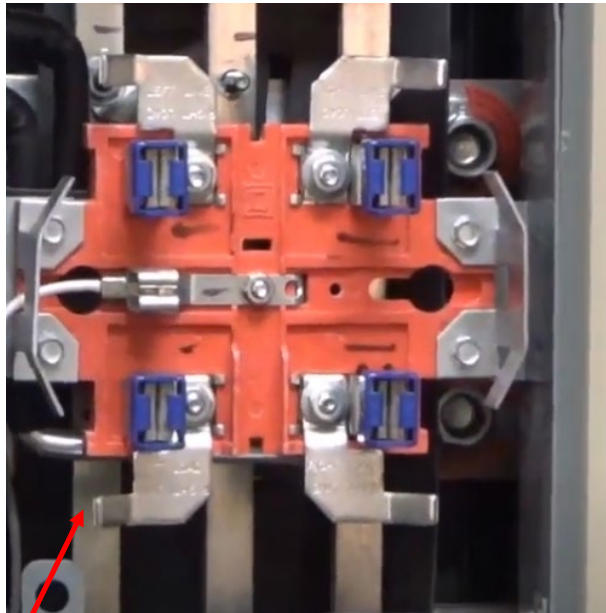
3. 100-200 Amp Single-Phase OH
  - Requirements:
    - a. Ringless Type Meter Socket
    - b. Outdoor Enclosure (Nema type 3R)
    - c. 1 Phase, 3-Wire
    - d. 4 Jaw Meter Socket
    - e. Horn Bypass
    - f. Sealable
    - g. No cover over meter
    - h. UL Listed
  - The Company has no list of approved sockets for this application. The meter base shall meet the requirement above and be securely mounted. NEC 110.13(A)
  
4. Multi-occupancy dwelling
  - Requirements:
    - a. Ringless Type Meter Socket
    - b. Outdoor Enclosure (Nema type 3R)
    - c. 1 Phase, 3-Wire
    - d. 4 Jaw Meter Socket
    - e. Horn Bypass
    - f. Sealable
    - g. No cover over meter
    - h. UL Listed
  - Options:
    - Siemens
      - WP6412 Uni-Pak (1ph - 120/240, 600a)
        1. Available at Menards
    - Square D
      - EZ Meter Pak series -
        1. EZM31600GCBU (3ph – 120/208, 1600a)
        2. EZMH113125 (1ph - 120/240, 125a)
        3. EZML112225 (1ph – 120/240, 225a)
        4. EZM1800TB (800a terminal box)
        5. Available at Graybar
  
5. 320 Class / 400 Amp Single-Phase OH
  - Requirements:
    - a. Ringless Type Meter Socket
    - b. 4 Jaw Meter Socket
    - c. 320A Continuous, 400A Max
    - d. Outdoor Enclosure (Nema type 3R)
    - e. Bypass Lever
    - f. Rated 600V AC
    - g. Sealable
    - h. 1 Phase, 3-Wire
    - i. No cover over meter
    - j. UL Listed

- The Company has no list of approved sockets for this application. The meter base shall meet the requirement above and be securely mounted. NEC 110.13(A)
- 6. 320 Class / 400 Amp Single-Phase UG
  - Requirements:
    - a. Ringless Type Meter Socket
    - b. 320A Continuous, 400A Max
    - c. Rated 600V AC
    - d. Outdoor Enclosure (Nema type 3R)
    - e. 1 Phase, 3-Wire
    - f. 4 Jaw Meter Socket
    - g. Bypass Lever
    - h. Sealable
    - i. No cover over meter
    - j. UL Listed
  - Options
    - Milbank
      - U1748-O-WI
      - U4363XQGK3K2
      - Extension: S1848
      - Available at All-Phase
    - Schneider Electric
      - 1009018
      - Extension: 1009023 (18") or 1009026 (30")
    - Cutler Hammer
      - 1009018-CH
      - Extension: 1009023-CH (18") or 1009026-CH (30")
      - Available at Menards
    - Midwest
      - 1009018-MEP
      - Extension: 1009023-MEP (18") or 1009026-MEP (30")
    - Durham
      - 1009018
      - Extension: 1009023 (18") or 1009026 (30")
    - Landis & Gyr
      - 47604P-9WI

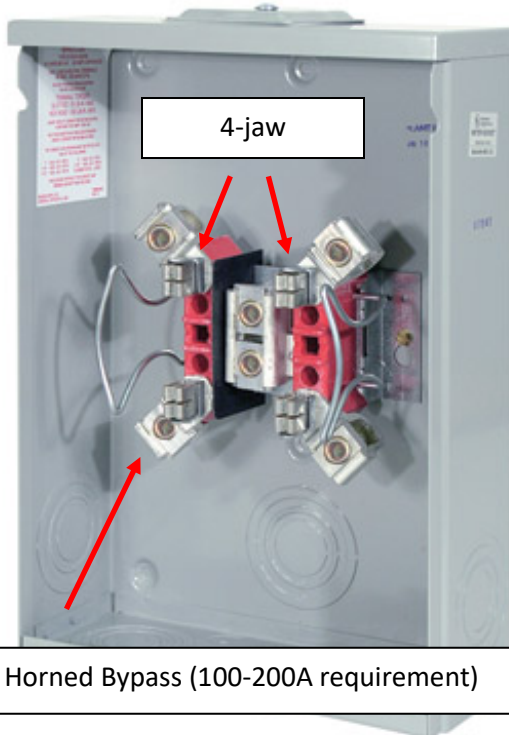
7. 320 Class / 400 Amp Single-Phase UG with two 200A Main Breakers

- Requirements:
  - a. Ringless Type Meter Socket
  - b. 4 Jaw Meter Socket
  - c. 320A Continuous, 400A Max
  - d. Bypass Lever
  - e. Rated 600V AC
  - f. Sealable
  - g. 1 Phase, 3-Wire
  - h. UL Listed
- Options
  - Durham
    - 1009017
    - Extension: 1009022 (18") or 1009025 (30")
  - Cutler Hammer
    - 1009017-CH
    - Extension: 1009022-CH (18") or 1009025-CH (30")
    - Available at Menards
  - Milbank
    - U3849-0-2/200
    - (no extension available)
    - Available at All-Phase

Examples:



Horned Bypass (100-200A requirement)  
5 jaw network meter socket



Horned Bypass (100-200A requirement)

