SERVICE ENTRANCE, INDOOR, OUTDOOR

Group Metering, 7 or More Positions, Socket Breaker Combination, 100, 200 Ampere Single Phase or Network, 3 Wire

USE: Installation on a multiple meter project consisting of seven or more meters which required a master entrance switch ahead of the meters.

PREVIOUS REVISION	ORIGINATED	PREVIOUS NUMBER
01-01-00	03-94	ER 1-154-B (12-29-92)

LATEST REVISION: Updated Approved Manufacturers list and catalog numbers.

SPECIFICATION:

1. GENERAL:

1.1 The equipment shall be constructed of galvannealed steel or aluminum and shall be sealable.

1.2 Each meter position shall be individually sealable.

1.3 Outdoor units shall be weatherproof.

1.4 Two, three, four, or five gang units can be used to make up the seven or more positions, provided they comply with dimension requirements as follows:

1.4.1 Minimum height as measured from the top of the lowest meter to the floor or final grade level:
Indoor - 33 inches
Outdoor - 39 inches

1.4.2 Maximum height as measured from the top of the highest meter to floor or final grade level:
Indoor and Outdoor - 79 inches

1.5 Each meter position shall be rated at least 100 amperes for customer loads of 100 amperes or less.

1.6 Each meter position shall be rated 200 amperes for customer loads greater than 100 amperes but not exceeding 200 amperes.

1.7 Each meter position shall have a minimum dimension of 9 inches center to center.

1.8 Each meter socket, and it's respective main disconnect, shall be labeled in a distinctive, permanent, and legible manner, identifying the location they are to serve (Apt #, Unit #, etc.). The location itself, shall also be labeled with it's respective identification marking. Meters shall not be installed and energized untill this identification has been completed.

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1.9 There shall be a minimum of three (3) feet of unobstructed space in front of the meter measured from the surface on which the meter is mounted.

1.10 The meter installation shall be adequately grounded in accordance with NIPSCO Standard ER 7-500, Grounding, latest revision. The ground connection shall be located at the service switch or breaker. The meter socket circuit breaker assembly shall be grounded to the neutral conductor.

2. INSTALLATION TYPE:

2.1 Single phase, three wire, 120/240 volt.

2.2 Network, three wire, 120/208 volt.

2.2.1 Main service entrance feed is three phase, four wire, 120/208 volt.

2.2.2 Each meter position uses two phase wires and the neutral wire. The meter sockets require a fifth jaw at the nine o'clock position for grounded neutral.

2.2.3 Load should be balanced between phases.

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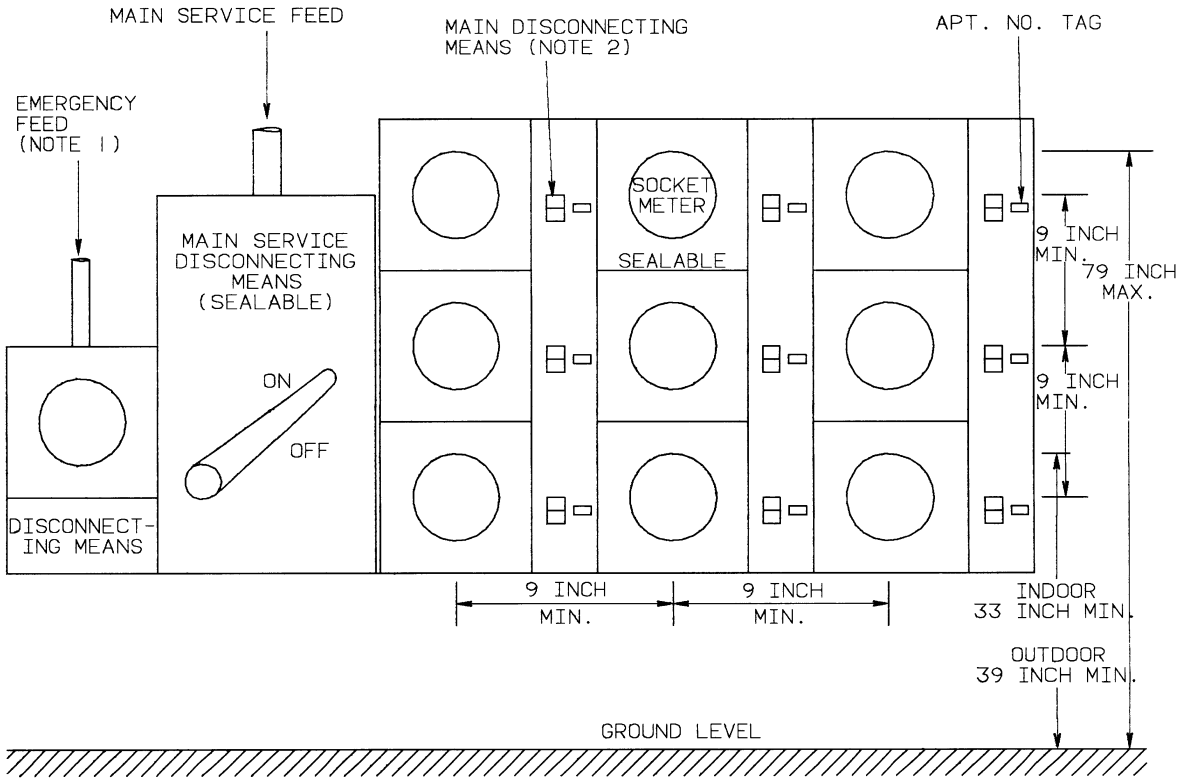

Figure 1 Typical installation - nine meter position

NOTES:

1. Emergency feed must be sufficiently separated from the main service disconnecting means per NEC Articles 700-6(d) and 700-17, latest revision.
2. It should be noted that the equipment approved on the standard is designed as a meter socket-circuit breaker combination. A bonding jumper or metallic conduit is required to bond the service equipment on the load side of the current limiting device for this type of installation per NEC Articles 250-61(b) and 250-71(b).

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3. COMPANY APPROVED EQUIPMENT:

3.1 Single phase and network installations

3.1.1 100-ampere sockets

Company Approved Combination Meter Socket Circuit Breaker Equipment		
Approved Manufacturers	**Catalog Series or Type**	
	Indoor	**Outdoor**
Square D Company	EZM-H-1...-125 or EZM-H-3...-125	
Murray (Note 1)	DCW	DCW
General Electric	TMP	TMP...R
Cutler Hammer/ETN	3MM-212R,1MM -312R, 1MM-412R followed by -RLB	3MM-212R,1MM -312R, 1MM-412R followed by -RLB
Erickson	CM84, 3RM, WM...	CM84,3RM
Siemens	WMM...125RJ, WMM...125RJB	WMM...125RJ, WMM...125RJB

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3.1.2 200-ampere sockets

Company Approved Combination Meter Socket Circuit Breaker Equipment		
Approved Manufacturers	**Catalog Series or Type**	
	Indoor	**Outdoor**
Square D Company	EZM-H-1...200 or EZM-H-3...-200	
Murray (Note 1)	DCW	DCW
General Electric	TMP	TMP...R
Cutler Hammer/ETN	3MM-220R, 1MM-320R, 1MM-420R followed by -RLB	3MM-220R, 1MM-320R, 1MM-420R followed by -RLB
Erickson	CM84,3RM,WM..., M8	CM84, 3RM
Siemens	WMM...225RJ, WMM...225RJB	WMM...225RJ, WMM...225RJB

NOTES:

1. Murray was formerly Siemens-Allis/ITE.
2. Added Siemens.
3. Removed Westinghouse meter sockets. Marketed under Cutler Hammer.