



Order Specification for Type MNM Motor Operators

Please contact our Application Engineering personnel at (704) 392-1396 if you require assistance in completing the Order Specification checklist. In the event that we must contact you to confirm your information, please provide a contact name and phone number.

Organization _____ Contact (Name) _____

Phone Nbr _____ E-Mail Address _____

Fax Nbr _____

1.00 Motor Operator

1.01 Configuration (*Specify Quantity Required*)

MNM1 _____ (without batteries, charger)

MNM2 _____ (with batteries, charger and battery test system)

MNM4 _____ (with solar power supply)

1.02 Motor Control Voltage _____ VDC (*Specify 24, 48 or 125*)

1.02 Customer Supplied Voltage _____ (*Specify 120 VAC, 48 or 125 VDC*)

1.03 Torque _____ inch/lbs (*Specify 10,000, 15,000 or 20,000*)

1.04 Operating Speed _____ seconds (*Specify 0-2, 3-5, 6-8, or 9-13*)

1.05 Enclosure _____ (*Specify aluminum or stainless steel*)

2.00 Group Operated Switch

2.01 Manufacturer _____, Catalog Number _____, kV rating _____

2.02 Switch type or construction _____
(*Specify vertical break, center break, side break, center Vee, double break or other*)

2.03 Switch application: substation _____, transmission phase over phase _____, transmission horizontal _____, pole top distribution _____, other _____

2.04 Required switch operation is torsional _____, reciprocating _____

2.05 Direction to open _____ (*Specify CW or CCW*)



Order Specification for Type MNM Motor Operators

3.00 Structure Mounting

- 3.01 Mounting structure: wood pole _____, concrete pole _____, steel pole _____, laminated wood pole _____, beam column _____, tube column _____, lattice column _____, other _____
- 3.02 Please provide structure details with Order Specification Input Sheet.
- 3.03 Off-set dimension from face of structure to centerline of vertical control pipe _____
- 3.04 IPS of switch control pipe _____

4.00 Control

- 4.01 Control of motor operator will be accomplished through substation relay _____, RTU _____, independent automatic control (line sensor) _____, other mechanism _____
- 4.02 If control is remote through RTU, please indicate the RTU manufacturer _____, catalog number _____, operating voltage _____ (*Specify VDC*), and current draw _____ (*Specify Amps*)
- 4.03 If control is remote through RTU, please indicate the associated communication method or device: radio _____, modem _____, fiber optic _____, cell phone _____, other _____
- 4.04 If control is remote through RTU, please indicate the communication device manufacturer _____, catalog number _____, operating voltage _____ (*Specify VDC*), current draw (receive mode) _____ (*Specify Amps*), current draw (transmit mode) _____ (*Specify Amps*), transmit/receive duty cycle _____ (*Specify %*)
- 4.05 RTU and communication device will be _____, will not be _____ located within the motor operator enclosure
- 4.06 RTU will be provided by SEECO _____, will be provided by customer _____
- 4.07 RTU will be installed by SEECO _____, will be installed by customer _____
- 4.08 If RTU installed by SEECO, please provide status/control points
- 4.09 Communication device will be provided by SEECO _____, will be provided by customer _____
- 4.10 Communication device will be installed by SEECO _____, will be installed by customer _____
- 4.11 If communication device installed by SEECO, please provide RTU/comm device connections



Order Specification for Type MNM Motor Operators

5.00 Operating Environment

- 5.01 Proposed geographical location of the operator is _____
- 5.02 Altitude of operator will be _____ feet above sea level
- 5.03 Seasonal temperature extremes will vary from _____ degrees F to _____ degrees F
- 5.04 Operator will be _____, will not be _____ subject to heavy airborne particulate
- 5.05 Operator will be _____, will not be _____ subject to a salt-laden environment

6.00 Optional Features

- 6.01 Operation counter shall be _____, shall not be _____ furnished
- 6.02 DC-to-DC converter (24/12) shall be _____, shall not be _____ furnished
- 6.03 DC-to-DC converter (24/48) shall be _____, shall not be _____ furnished
- 6.04 Main AC breaker shall be _____, shall not be _____ furnished
- 6.05 Main DC breaker shall be _____, shall not be _____ furnished
- 6.06 AC knife switch shall be _____, shall not be _____ furnished
- 6.07 Switch position/coupling status indication shall be _____, shall not be _____ furnished
- 6.08 Motor current monitor for indication of abnormal switch operation and/or possible maintenance condition shall be _____, shall not be _____ furnished
- 6.09 Sliding link terminal blocks shall be _____, shall not be _____ furnished
- 6.10 Protective shroud (guard) shall be _____, shall not be _____ furnished
- 6.11 Auto-sectionalizing control shall be _____, shall not be _____ furnished
- 6.12 Adapter for reciprocating switch operation shall be _____, shall not be _____ furnished
- 6.13 Enlarged door for mounting RTU within enclosure shall be _____, shall not be _____ furnished
- 6.14 Stop push button shall be _____, shall not be _____ furnished
- 6.15 Local/remote push buttons shall be _____, shall not be _____ furnished