



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)*



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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



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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