

# SEO 3000

## Stored Energy Switch Operator

Morpac's 3000 series of SEO's are available to operate most distribution switches on the market today. They incorporate a custom built 24 VDC permanent magnet motor specifically designed for this service. The unit comes complete with pole mounting hardware and internal batteries. The unit is available as a basic motor operator, or with auxiliary electronics.

### SPECIFICATIONS

WEIGHT	180 lbs Nominal
CABINET	18.9" W x 18.9" H x 10.8" D Steel w/ASA Gray Enamel Paint
MOTOR	3.6 HP 24 VDC
CONTROL	24 VDC
BATTERY	33 Amp. Hour Gelled Electrolyte (2)
CHARGER	50 Watt - Regulated 24 VDC
SPEED	14" Vertical Movement @430 lbs Load @ 1/2 Second
STALL TORQUE	8700 Inch Lbs
CONTROL ADJ.	0 to 15" Adjustable Control Rod Travel

### STANDARD FEATURES

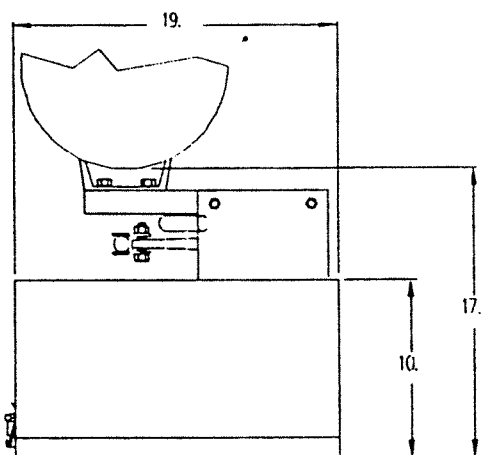
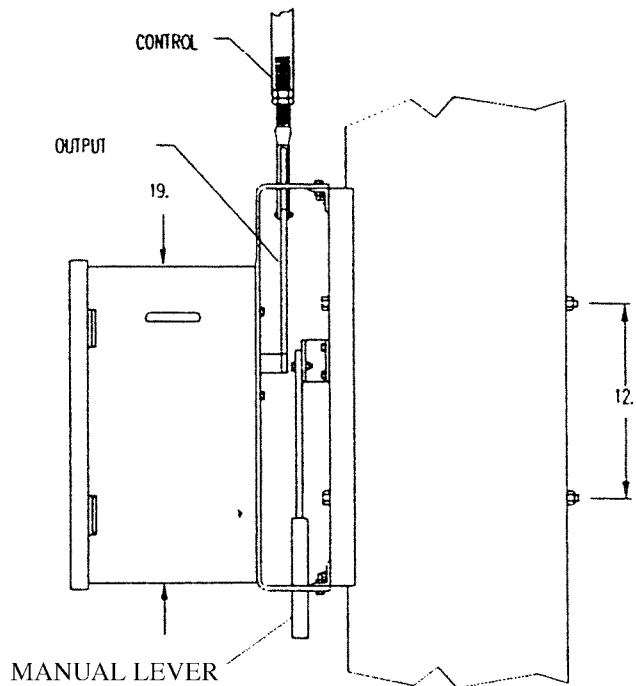
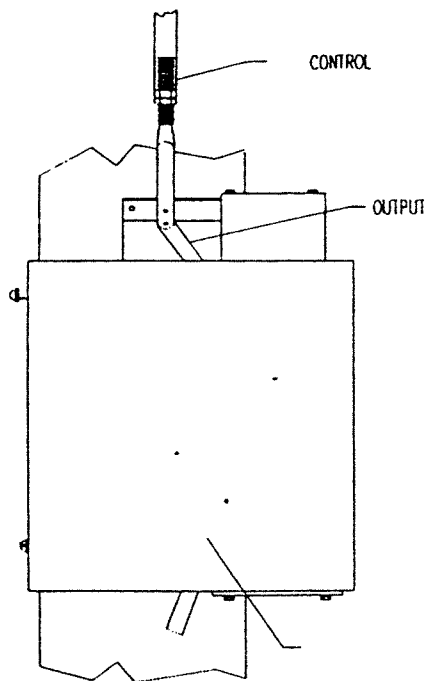
Terminal Board ready for wiring to RTU/PLC SCADA Controllers  
Oversize 33 AmpHour battery, capable of supporting additional RTU/PLC SCADA  
Controllers and Communications Equipment.  
Remote or Local Battery Check with "Pass/Fail" Status.  
Automatic Lockout of Operation if Battery Test Fails.

### STATUS

Switch Open	1 Form C Contact
Switch Closed	1 Form C Contact
Remote / Local	Contact Closure in "Remote" disables Local Operation and Vice Versa
Batt. Test in Progress	Open / Close Operation Blocked
Low Battery	Open / Close Operation Blocked Until Serviced.

### CONTROL

Open the Switch	Energize "Open" Relay - 50 ma
Close the Switch	Energize "Close" Relay - 50 ma
Initiate Battery Test	Energize Battery Test Timer



## OPTIONS

SEO 3000R  
SEO 3000T

Reciprocating Operation - Up/Down  
Torsional Operation - Rotary

Stainless Steel Cabinet  
Deep Door for Mounting of  
Controller and Communications  
Thermostatically Controlled Heater  
Solar Power Charger

Operations Counter  
Auto Open or Close on Loss of AC Line  
Auto Transfer (Master / Slave)  
2A & 2B Auxiliary Contacts  
Intrusion Alarm

Contact the factory for pricing, drawings or full specifications.