Commercial Door Operators

MO SERIES

Extra Heavy-Duty Gearhead Jackshaft Commercial Door Operator

Extra heavy-duty gearhead jackshaft garage door operator for vertical or high lift sectional doors and rolling steel curtain doors.

RATINGS
- Maximum duty cycle: 35 cycles per hour, 150+ cycles per day
- Maximum door height: 24 feet
- Shipping weight: 135 lbs.

FEATURES
- Floor level disconnect and chain hoist with interlock for manual door operation
- Manual operation will not affect limit switch settings
- Oil bath gear reduction unit
- #50 Chain and sprocket, 1/2 - 1HP
- #60 Chain and sprocket, 1-1/2 - 2HP
- Solid State (up to 3/4 HP) or electromechanical control circuit
- Solenoid brake standard
- TEFC Motor standard on single phase 1 HP and over, and all 3 phase operators
- Motor overload protection
- Wired to accept reversing devices
- Internally adjustable limit switches
- Delay-on-Reverse Standard 1-1/2 hp and above (MO150 & MO200)
- 24-Volt control circuit with OPEN, CLOSE and STOP push button station
- OPEN button (and single button) will automatically override down travel and reverse door to the full open position
- External terminals for single button (residential type) radio control (electromechanical only)

FACTORY OPTIONS
- Solid state controller: Add S to model number
- Hood mounting bracket: P/N 190-107209
- Wall mounting bracket: P/N 190-107638
- MVP-MR 3-channel open-close-stop modular receiver installed (on solid state controller model only): P/N 2650-159
- MVP-RE-24V-8W-FC 1-door open-close-stop receiver (for electromechanical controller model only): P/N 190-110554

WARRANTY
- 2 years
ORDERING INFORMATION:
SUPPLY __________ LINEAR OPERATOR(S) MODEL M O __ __ __ S ______________________
WITH A MOTOR RATING OF __________ HP, __________ VOLTS, _____ PHASE, _____ Hertz
FOR A __________ WIDE X __________ HIGH DOOR(S) WITH ______________________________________
SUPPLY _______ OPEN-CLOSE-STOP CONTROL STATION(S) IN NEMA _______ ENCLOSURE PER OPERATOR
______________ DRIVE SPROCKET ______________ DOOR SPROCKET
AUXILIARY AND OPTIONAL EQUIPMENT AS SPECIFIED BELOW OR ON ATTACHED SHEET:

ARCHITECTURAL SPECIFICATIONS (FLOOR DISCONNECT):
Electric door operator(s) shall be Solid State Control Model MO of the gearhead hoist type, manufactured by Linear LLC and Underwriters Laboratory (UL) listed. Horsepower, voltage and phase will be as required to properly operate the door. Operators will be equipped with speed reduction (enclosed gear reducer having a worm gear running in oil bath). A floor level disconnect device will be provided for mechanical disengagement to allow for manual door operation. The operator will be equipped with an integral limit system that provides accurate settings to control the open and close positions of the door and will not be affected by manual door operation or motor removal. The motor and operator will be protected against overload by a thermal protector and will be equipped with a solenoid operated brake with internal expanding 360 degree brake shoe. The operator will have a 24VAC secondary solid state control circuit with advanced switch selectable features, motor load delivered via high amperage, inductive load rated relays. The operator will have provisions for connecting open-close-stop pushbutton stations, radio controls, and external obstruction sensing (reversing) systems. Operator will drive the door at a speed of approximately 8-10 inches per second.

NOTES:
REFER TO PRODUCT DATA SHEET FOR GENERAL INFORMATION
REFER TO DRAWING____________ FOR WIRING DIAGRAM