



Enhanced “Auto-Reset” functions, *plus* internal battery backup and an auxiliary chain hoist! Lawrence “Auto-Reset Plus” fire door motor operators provide time-delayed automatic closing upon activation by alarm. An internal **Battery Backup** system is included to prevent failsafe closing during a loss of power for up to 8 hours[#]. The Model FSH automatically resets when the alarm is cleared and power is restored. Selectable functions allow doors to reverse upon contact with an obstruction during automatic closing, reopen, and close again* and to automatically re-open after reset. Features include an internal release device and speed governor system to control fail safe automatic closing to a typical average speed of 9” to 12” per second. Their compact “low profile” design means that no additional clearance above the top of the door coil is normally required. High-efficiency inline gear reducers provide capacities generally exceeding those of right-angle gear reduced operators with the same horsepower ratings.

Standard Features

- c-UL-us Listed (UL325-2010 Compliant)
- High efficiency in-line gear reducer
- Low profile design with horizontal front of coil mounting
- Solid-state control board
- On-board open-close-stop buttons
- On-board non-resettable cycle counter
- On-board reclose timer
- Provisions for connection of monitored & non-monitored sensing devices (multiple monitored sensing devices optional)
- Selectable constant or momentary pressure open & close
- External radio control receiver connections
- 24 volt control circuit
- Overload protection
- Adjustable linear driven limit switches
- 3-button open-close-stop wall mount control station
- NEMA 1 enclosures (environmental modifications optional)

Model FSH – “Auto-Reset Plus” Fire Door Motor Operator

- For fire doors in standard cycle usage applications (up to 20,000 cycles)
- Internal battery backup prevents door closing for up to 8 hours during power loss, or up to 16 hours with optional R-BBU external battery backup module[#]
- Audible warnings for power failure, battery charging failure and low battery
- Alarm activated closing through motor when AC power is present and monitored sensing edge is installed, or controlled by governor without a sensing edge or during battery backup
- Fail safe activated closing controlled by governor upon power loss
- Provision for connection of fusible link (when required by AHJ)
- Selectable time delayed closing functions
- Selectable obstruction sensing, cycling and reversing functions*
- Selectable automatic re-open function after alarm is cleared and power is restored
- Average operating speed of 6” to 8” per second
- TENV motor
- Solenoid actuated disc brake
- Delay on reverse function (*requires door be provided with a monitored sensing device*)
- Interlocked auxiliary chain hoist
- 1/2, 3/4 and 1 1/2 HP – 115v-1ph, 230v-1ph, 208/230v-3ph, 460v-3ph, 575v-3ph
NOTE: Consult factory for availability of other voltages and 50Hz operators
- Optional environmental modifications for NEMA 4/12 (FSHN4 - water, oil and dust tight),
- Optional wall mount test switch to verify alarm-activated automatic closing function
- Optional wall mount battery indicator

* Requires power be present and the operator be connected to a monitored sensing edge on the bottom of the door.

[#] Optional R-BBU will increase battery backup for up to 16 total hours



Inspectors Test Switch



R-BBU
For Extended
Battery Backup



Battery Indicator

Lawrence fire door motor operators are also available as UL Classified and FM Approved Retrofit Fire Door Operators to provide the same state-of-the art technology and superior closing control for most other brands of rolling fire doors.