

PULSE 200 Series



FEATURES:

- High-Performance DC Operator with True HP Motors
- Patented Built-in 24V Battery Backup
- Programmable Speeds up to 24" /s
- Soft Start/Soft Stop
- Adjustable Force Monitoring
- Door Balance Check
- Closing Timer from 1-99s
- Reliable & Precise Encoder
- Works with 12V Locking Systems
- LCD for easy-to-read monitoring, setup and troubleshooting
- Programmable Output Relay
- Available in 3/8 HP and 1/2 HP with 30, 40 or 50:1 Gearbox Ratio Options
- 2 Year, 250,000 Cycle Warranty
- cULus LISTED for Residential & Commercial Applications



PULSE 200 SERIES OVERVIEW

The new Pulse 200 Series Operators from iControls are designed to provide both economy and performance. These Direct Drive DC Operators are reliable, loaded with features and programmable options, and are easy to install, operate and maintain. Smooth, powerful, fast and quiet, the PULSE 200 series operators are a budget-conscious and efficient solution for balanced doors up to 200 sq. ft. / 998 lbs. Some of the features that are included:

PATENTED BATTERY BACKUP

Should power fail, the included batteries provide power for multiple door cycles (press and hold operation for safe emergency use). Built on a separate circuit, the PULSE battery backup will work even if the control and/or drive board has been damaged (lightning strike, impact, etc) - setting it apart from all other systems that rely on full functionality of the printed circuit board. A built-in trickle charger ensures that the batteries are always charged and ready. If the batteries are fully drained or go missing, a crackshaft socket is provided as a mechanical backup.

SOFT START/SOFT STOP

This feature offers smooth, controlled acceleration and deceleration of the door, and helps prolong the life of its mechanical parts. It also aids in the prevention of cable throw. The distance of both the acceleration and deceleration distance can be programmed to match the door requirements as needed.

PROGRAMMABLE SPEEDS

Set the speed that best suits the installation. Achieve opening speeds up to 24"/s and closing speeds of up to 16"/s (varies according to gearbox, drum size/type and door style).

INTELLIGENT FORCE MONITORING

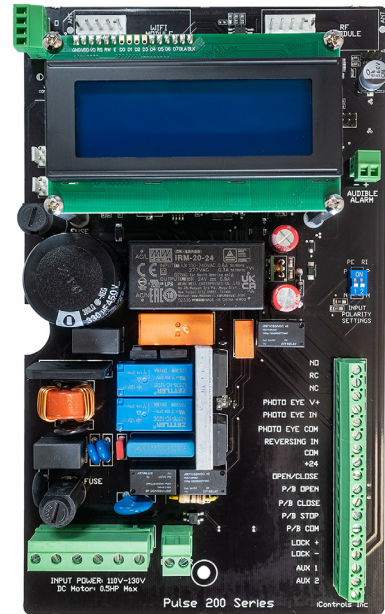
Should the door hit an obstruction or become jammed during the closing cycle, the system will sense the change in force and reverse the door to avoid further damage. On opening, a sensed obstruction or jam will cause the door to stop. This all but eliminates the need for an additional safety edge. Note that the sensitivity of this feature is adjustable, and can be tailored to the installation.

DOOR BALANCE CHECK

Once selected from the menu, the door automatically moves through one complete cycle and reports (on the LCD) the difference in force required to open the door versus closing it. Use this feedback to verify proper door balance without having to remove the operator. A properly balanced door will extend the life of the door springs and maximize battery backup performance.

DOOR LOCK ACTIVATION

Third party door locks can be connected with ease. Once installed and selected, the operator activates the unlock function prior to opening and the lock function at full close. Settings for this feature include an adjustable door motion delay from 100 to 500ms to ensure optimal functionality and performance. Compatible with most 12V automatic locking systems.



ORDERING:

PULSE 238: 3/8 HP OPERATORS

3/8 HP 90VDC Motor with Size 50 Gearbox for 1" Keyed Solid Shaft. Includes 24V, 2.3Ah Battery Backup System, Reflective Photo Eye. For Balanced Doors up to 150 sq. ft. / 750 lbs.

Model: PDC-238-1-40

PULSE 238 Operator with 1" Hollow Shaft 40:1 Ratio Gearbox, Opening Speeds up to 20"/s*. Ideal combination of Speed and Torque. Recommended for most door installations up to 150 sq. ft. / 750 lbs.

Model: PDC-238-1-30

PULSE 238 Operator with 1" Hollow Shaft 30:1 Ratio Gearbox, Opening Speeds up to 24"/s*. For lighter doors that require highest available opening speed. Applicable for door installations up to 150 sq. ft. / 588 lbs. that do not include bumper/pusher springs.

Model: PDC-238-1-50

PULSE 238 Operator with 1" Hollow Shaft 50:1 Ratio Gearbox, Opening Speeds up to 16"/s*. For heavier doors and challenging environments requiring more torque than speed. Applicable for commercial doors installations up to 150 sq. ft. / 750 lbs. Best choice for installations with bumper/pusher springs.

*Door speeds are dependant on installation variables such as drum size, door balance, door size, etc. Speeds indicated represent figures based on optimal installations and conditions.

PULSE 250: 1/2 HP OPERATORS

1/2 HP 90VDC Motor with Size 50 Gearbox for 1" Keyed Solid Shaft. Includes 24V, 2.3Ah Battery Backup System, Reflective Photo Eye. For Balanced Doors up to 200 sq. ft. / 998 lbs.

Model: PDC-250-1-40

PULSE 250 Operator with 1" Hollow Shaft 40:1 Ratio Gearbox, Opening Speeds up to 20"/s*. Ideal combination of Speed and Torque. Recommended for most door installations up to 200 sq. ft. / 799 lbs.

Model: PDC-250-1-30

PULSE 250 Operator with 1" Hollow Shaft 30:1 Ratio Gearbox, Opening Speeds up to 24"/s*. For lighter doors that require highest available opening speed. Applicable for door installations up to 200 sq. ft. / 750 lbs. that do not include bumper/pusher springs.

Model: PDC-250-1-50

PULSE 250 Operator with 1" Hollow Shaft 50:1 Ratio Gearbox, Opening Speeds up to 16"/s*. For heavier doors and challenging environments requiring more torque than speed. Applicable for commercial doors installations up to 200 sq. ft. / 998 lbs. Best choice for installations with bumper/pusher springs.

*Door speeds are dependant on installation variables such as drum size, door balance, door size, etc. Speeds indicated represent figures based on optimal installations and conditions.