

PULSE **400 Series**



A high-performance direct-drive operator with a 180V DC horsepower-rated motor, engineered for large commercial springless folding, rubber, fabric, sectional and rolling steel doors, as well as large balanced sectional and rolling steel doors.



Features

- **Universal input voltage from 208V to 600V AC (1ph or 3ph)**
- Precise programmable setting for monitored RPM-based gearbox output speed
- Soft start/stop functionality to reduce wear and tear
- LCD screen for setup, monitoring, and troubleshooting
- An electromechanical brake is available for suitable applications
- Optional fully open/home switch
- Manual operation available via socket crankshaft or optional chain hoist
- Two programmable output relays included
- Motor options: 1.5 to 3 HP
- Shaft sizes: 1" to 2"
- Two-year, one-million-cycle warranty against manufacturing defects

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The Pulse **400 Series** from **iControls** offers versatile configuration options to suit a wide range of applications. Four separate models of the 400 are available to meet diverse commercial door operator requirements

Each model features an **180V DC** horsepower-rated motor (1.5 to 3 HP)

PULSE 400HD

Designed for **heavy-duty** springless doors



Technical Specifications

Applications	Springless sectional, rolling steel or folding doors	
Voltage	Universal input voltage (208V - 600V AC)	
	Recommended Configuration	Additional Options Available
Gearbox ratios	80:1	60:1 or 100:1
Gearbox sizes	105	130 or 150
Shaft diameter	1.5" shaft entry	2" shaft entry

PULSE 400RD

Designed for springless **rubber doors**
Features an electromechanical brake



Technical Specifications

Application	Springless rubber doors	
Voltage	Universal input voltage (208V - 600V AC)	
	Recommended Configuration	Additional Options Available
Gearbox ratios	40:1	30:1 or 50:1
Gearbox sizes	90	105 or 130
Shaft diameter	1.5" shaft entry	2" shaft entry

PULSE 400HS

Designed for springless **high-speed** fabric doors
Features an electromechanical brake



Technical Specifications

Application	Springless fabric doors	
Voltage	Universal input voltage (208V - 600V AC)	
	Recommended Configuration	Additional Options Available
Gearbox ratios	10:1	7.5:1, 15:1 or 20:1
Gearbox sizes	63	75 or 90
Shaft diameter	1" shaft entry	1.25" or 1.5" shaft entry

PULSE 400BL

Designed for **large balanced** doors



Technical Specifications

Applications	Balanced sectional or rolling steel doors	
Voltage	Universal input voltage (208V - 600V AC)	
	Recommended Configuration	Additional Options Available
Gearbox ratios	50:1	40:1 or 60:1
Gearbox sizes	75	90
Shaft diameter	1.25" shaft entry	1.5" shaft entry

Contact the **iControls** team to help select the ideal motor and gearbox configuration to suit your application

