

PI-01/PI-02



PI-03N/PI-04N

Descriptions

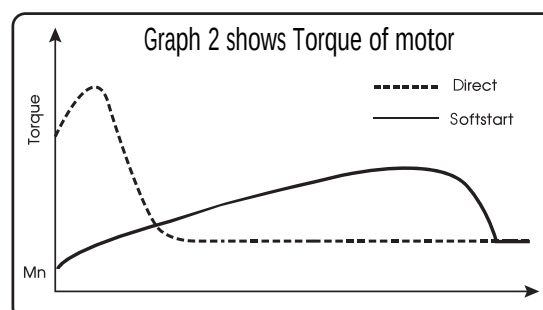
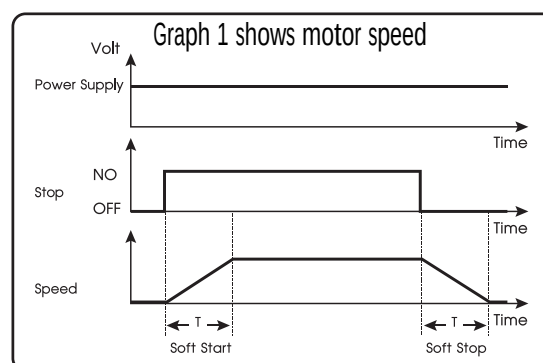
- The Compact Soft Start and Soft Stop :PI-Series is a device designed to facilitate smooth motor starting and stopping operations.
- Adjustable torque enables the motor to start under load conditions.
- Reduces current during motor startup and stopping operations.
- Features built-in overcurrent protection.
- Compatible with 3-phase motors rated at 380-400 VAC, 1.1-7.5 kW.
- Includes both Soft Start and Soft Stop functions.
- Compact, space-saving design with DIN Rail mounting.
- Equipped with LED indicators for operational status.

Operation

PI-Series is a Soft Start and Soft Stop Motor unit that helps 3-phase motors start smoothly without surge and reduces current during the Start phase with the capability to set Ramp Up and Ramp - Down times from 1 to 10 seconds. It enables the motor to start from standstill up to Normal Speed during a defined time period and set Torque value from 0-100% so it possible to Start the Motor while there is Load. This is a useful device for use with 3-Phase Motors. Because it performs the duties of both Soft Start and Soft Stop, and is also an Electronic Contactor to replace a Magnetic Contactor in the circuit.

PI-Series has benefits in reducing the wearing down of Mechanical Parts attached to the Motor. Because it starts the operation smoothly. Start suitable for Conveyor Belts or Crane applications, reducing problems with the workpiece or Load to prevent damage, which results from the surge/shock of the Motor during the Start phase.

Operation Graph



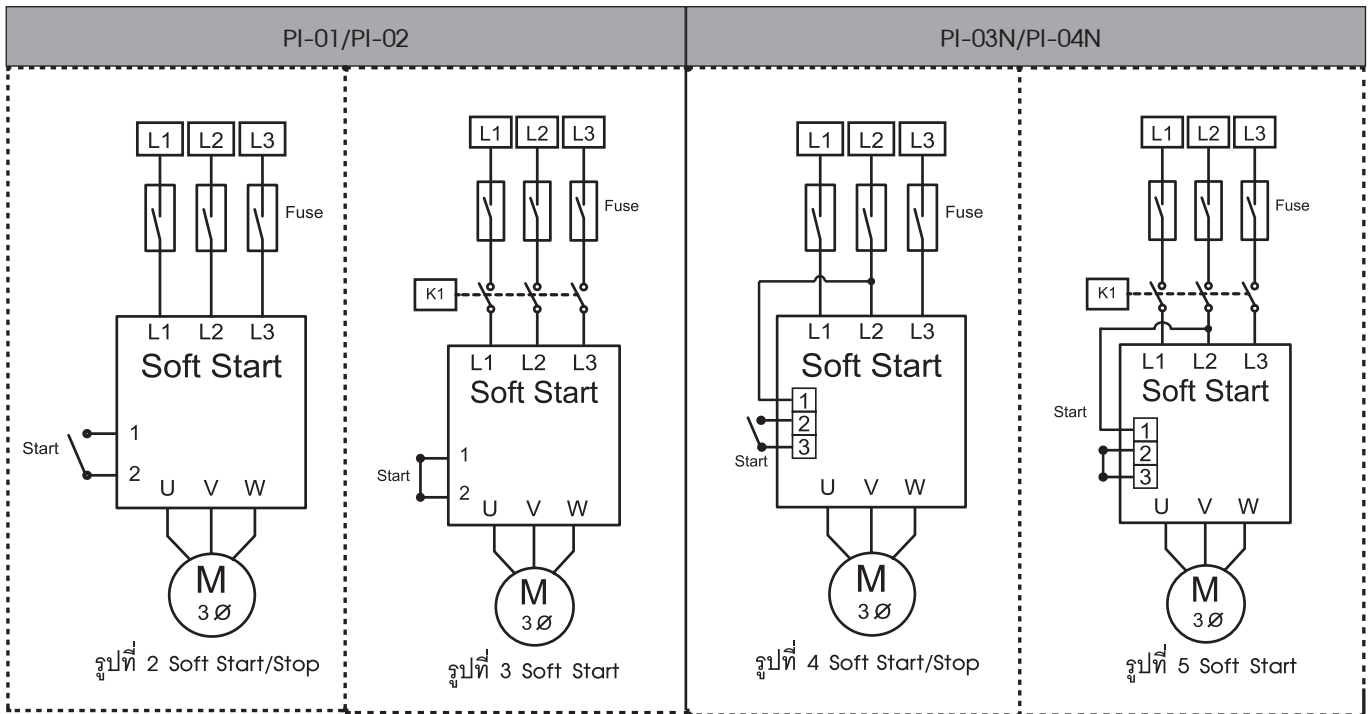
Specification

		PI-01	PI-02	PI-03N	PI-04N
Power Supply		3 Phase, 380-400VAC			
Frequency		50-60Hz			
Rate of Motor		1.1kW (1.5HP)	2.2kW (3HP)	5.5kW (7.5HP)	7.5kW (10HP)
Minimum Rate of Motor		0.18kW (0.25HP)	0.55kW (0.75HP)	1.1kW (1.5HP)	1.1kW (1.5HP)
Rate of Current		3A	5.5A	12A	16A
Fuse		16A	20A	50A	50A
Starting Time		1-10 Sec			
Starting Torque		0-100%			
Ambient Operation	Temperature	-10 °C to 60 °C			
	Humidity	85 % RH Non-Condensing			
Ambient Storage	Temperature	-30 °C to 85 °C			
	Humidity	85 % RH Non-Condensing			
Protection Degree		IP20			
Installation		DIN RAIL Mounting			
Material		ABS-V0		Stainless & Aluminum	
Size (mm.)		55 x 70 x 123		5 x 155 x 155	
Weight (kg.)		275		531	

APPLICATION

- Conveyor Belts
- Packing Equipment
- Long Travel Drive for Crane
- Heat Pump
- Compressors
- Machine with Gear Box, Belts or Chain Drive
- Vibration Transporters

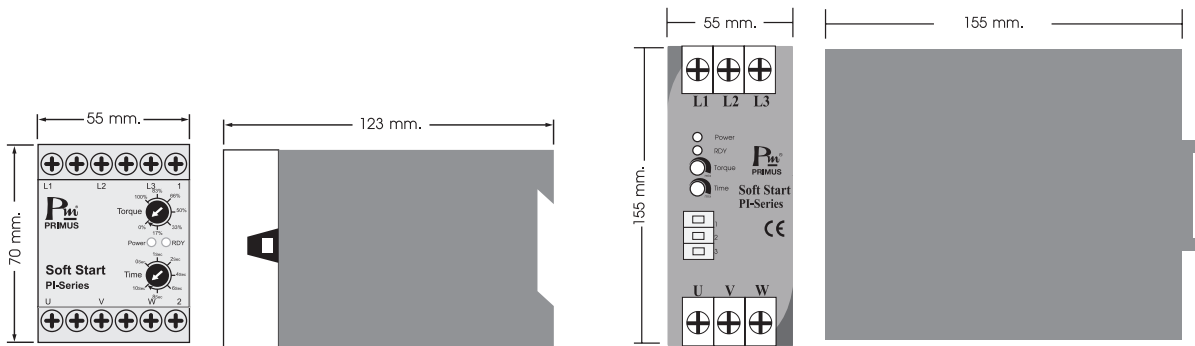
Wiring Diagram



WARNING

- Make sure the correct wiring connection before turning on electricity. Mis-wiring may cause malfunction of the unit and fire.
- Never modify the unit to prevent damage or incident such as malfunction and fire etc.

Size and Dimension

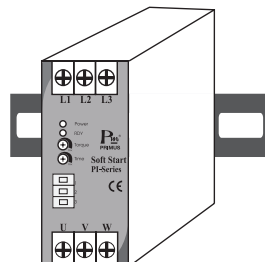
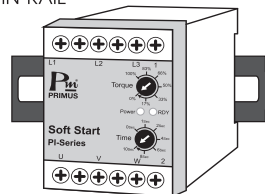


Installation

DIN RAIL



DIN RAIL



Ordering Code

PI -

Rate of Motor	
01	1.1 kW (1.5 HP)
02	2.2 kW (3 HP)
03N	5.5 kW (7.5 HP)
04N	7.5 kW (10 HP)