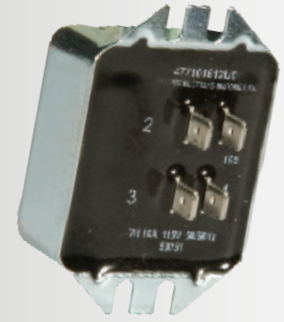


Solid State Switches For Electronic Single Phase Motors



VR

Key Industries:

- Agriculture
- Air Compressors
- Door and Partition Systems
- Food & Beverage
- Gate Lifts
- Laundry
- Pump Motors

Features:

- Accepted by Motor Manufacturers
- Completely Solid-State
- Electrically Protected Design
- Environmentally Protected
- Integral Design
- Line Voltage Compensation
- Reduced Installation Time
- Restart Capability
- Stearns Reliability
- Transient Protection
- UL Recognition to US and Canadian Standards
- Universal Design

With over 100 years of design and manufacturing experience, Stearns has built a solid reputation for quality and commitment to superior reliability. SINPAC® switches are designed to replace mechanical centrifugal switches for switching between the start and run winding for single phase AC electric motors. These are a reliable solid state replacement of the mechanical switch.

SINPAC Switches are ideal for applications requiring consistent switching of the start circuit in single phase motors. Mechanical switches are prone to various problems including fatigue, contamination, corrosion, and vibration that can lead to performance inconsistency. Our switches are the answer to reducing production downtime in hundreds of applications.

SINPAC Switches offer unlimited mounting locations:

- External Conduit Box
- Internal Conduit Box
- External Endbell
- Not affected by shaft up or shaft down motor positions
- Can be mounted remote from the motor

Benefits of our SINPAC Switch:

- **Cuts out** the start circuit at approximately **80%** of synchronous speed
- Start circuit **reconnects to reinitiate starting torque** when the motor speed drops below 50% of synchronous speed
- Switches will **operate in** areas susceptible to **brown-outs or low voltage**
- Designed to **filter out electrical noise**
- Can be **used on new or existing** motors
- No wearing parts means **long life**
- Switches will work on any manufacturer single-phase motors, **reducing the selection time and switch inventory**
- **Will not limit motor performance** due to moisture, dust, shock, vibration or over speed

Why Stearns SINPAC Switch:

- Years of experience in the motor industry
- A sealed package designed cadmium free, silent, and non-sparking
- Will increase the life of a motor

(414) 272-1100
stearnsbrakes.com

Technical Information

Accepted by Motor Manufacturers and UL Recognition

Capacitor Start



CV

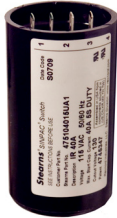


2CV

Capacitor Start & Run



VR



2VR



IR



IVR

Technical Characteristics

MOTOR TYPE	MAX MOTOR HP	SWITCH RATING	START CIRCUIT	UL RECOGNIZED	SINPAC SERIES
Capacitor Start	1/2 - 3	16 - 50 Amps	115 Volts	File E71115	CV
Capacitor Start	3 - 5	35 - 50 Amps	230 Volts	File E71115	2CV
Capacitor Start & Run	1/2 - 3	16 - 50 Amps	115 Volts	File E71115	VR
Capacitor Start & Run	3 - 5	35 - 50 Amps	230 Volts	File E71115	2VR
Instant Reverse Capacitor Start	1/2 - 2	25 - 40 Amps	115 Volts	File E71115	IR

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Stearns

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Stearns®