



## Hard Start Pro Series Model HSP-1

PN 122HSP01

DESCRIPTION
<p><b>2-wire Mechanical Potential Relay and Start Capacitor kit designed for compatibility with all single-phase 1-5 HP 208 V, 230 V, and 265 V air conditioning, refrigeration, and heat pump compressors, including reciprocating, scroll, and rotary types.</b></p>



### **Features:**

- Significantly reduces the amount of time it takes for compressor to start under unfavorable conditions such as low voltage or high head pressures.
- Extends the life of the compressor by disconnecting the Start Capacitor from the circuit at optimum time, bringing it up to full speed quickly, efficiently, preventing damage from overheating
- Non polarized wire design for easy installation
- OEM Approved Mechanical Potential relay
- Top Quality Start Capacitor, Wires and Insulated Connectors
- HVAC Industry Proven Design
- 3-year warranty

### Application : 1-3 Ton Compressor Size

**AC Motor Start non-polarized Aluminum Electrolytic Capacitor Specification:**

Capacitance : 189 – 227 MF

Voltage Rating : 330 VAC

Frequency : 50/60 Hz

Meets EIA Type 2 Specifications

Dimensions : 2.062 in. (diameter) x 4.365 in. ( length)

## Potential Relay Specification :

OEM Approved Electrica RVA series

Contact Rating :

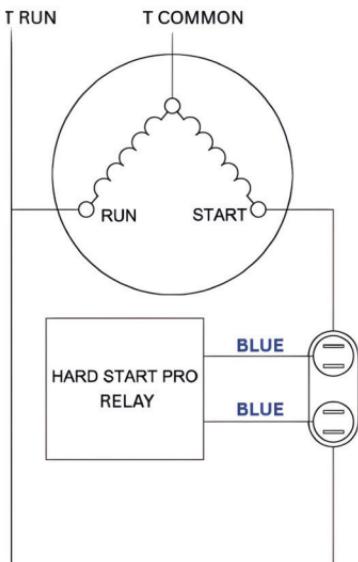
16A, 400V, cos 0.85, 500,000 operations

35A, 400V, cos 0.85, 200,000 operations

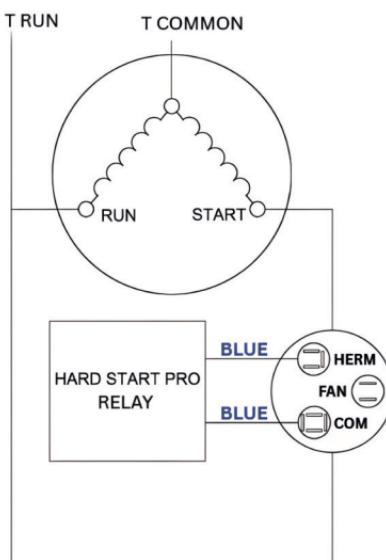
Approved for use with flammable refrigerants, according to EN60079-15:2010

ENEC CA02.03532 UL E51436 CUL E51436 CQC

## Wiring Diagrams:



2 Pole Run Capacitor



Dual Run Capacitor

HVAC Component Solutions Inc.

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[www.hardstartpro.com](http://www.hardstartpro.com)