



Application

The ACS20PST (20amps) is intended for starting a single high load such as a water pump. The pump starter is designed to not have continuous power and on power up it executes the softstart ramp of its output. These devices will monitor system health including current, voltage, frequency, with programmable startup power.

SPECIFICATIONS

- **Inputs:** L1 , N, Gnd
- **Nominal Voltage:** 120 VAC, 50-60 Hz.
- **Over Voltage Limits:** ≈132 VAC.
- **Under Voltage Limits:** ≈103 VAC.
- **Surge Protection:** 2100 Joules.
- **Current:** Maximum nominal= 20 Amp
- **Over Current Limits:**
ACS20P = 22A.
- **Operating Temperature:** -4°F to 176°F (-20°C to 80°C)
- **Storage Temperature:** -40°F to 149°F (-20°C to 65°C)
- **Humidity:** 5-95% Non-considering.
- **Weight:** 2.1 Lbs. (0.95kg).
- **Warranty:** One year limited warranty (standard)

Installation, Operation & Application Guide

For further information visit us at www.active-controlsllc.com.

Important Safety Information



- Fully Insert all plugs.
- Keep away from children and pets.
- Do not repair or modify.
- For outdoor use only.
- Store indoors when not in use.

Features

- ✓ Starting current reduction and programable startup power.
- ✓ Mobile app is Bluetooth-enabled and compatible with iOS and Android devices.
- ✓ Built in Surge protection.
- ✓ Waterproof, UV-proof module resists weather extremes.
- ✓ Diagnostic LED indicators inside of box for technicians.

Installation

1. Wire the unit into your most convenient power source or after the pressure switch.
2. Allow self-diagnostic function to determine if power is good.
3. Output will ramp on power up of board.
4. Plug the pump or wire the pump to the output terminals.

If the Output LED shuts off (corded version only) and power to the pump is off that indicates a Power fault related to Current, Voltage or any other fault that has occurred. The Mobile App will show the cause of the shutdown.



Scan to see a full specification, installation, & more on our website

ACS20PST

SoftStarter

Dimensions



Length = 19"
Width = 4"
Height = 1.5"

Performance

The ActiveStart is a unique device that is installed in series with the loads. This is quite different from a standard softstart that is wired directly to a motor and only has one function which is to start the motor.

The ActiveStart responds to an inductive load which generates a large spike in current and quickly current limits the device while initiating a softstart of the load. This is done without disturbing other appliances that are currently running on the same power source.

The Graphs below showcase this functionality:

LED INDICATORS

ORANGE LIGHT	MEANING
ORANGE LIGHT ON ONLY	POWER SOURCE IS SAFE TO USE.

App How To

Use our app for optimizing the start.

There are 2 parameters in the app for optimizing the start.

Ramp Time: Use this to increase the softstart time which will increase the number of pulses.

Starting Power: Sets the initial duty cycle/boost before doing the ramp.

The combination of the parameters will help achieve the best start with the most reduction in current.

