

# S66 Electronic Motor Control Catalog Page

#### Description

The S66 is designed to modulate the speed of a motor based on a 0 to 10 VDC input signal. The input signal can be supplied by any external source including those referenced to temperature, pressure, humidity, or flow.

The S66 requires a 24 VAC power supply that is of the same phase as the AC voltage (motor) being varied.

#### Features

- · hard start of motor
- built-in radio frequency interference (RFI) suppression

### **Applications**

The S66 can be used with single-phase permanent split capacitor or shaded pole motors, which are approved by the motor and equipment manufacturer for speed control applications.

# **Selection Chart**

Code Number	Description
S66AA-1C	Motor Controller 0 - 10 VDC Input
S66DC-1C	Motor Controller 10 - 0 VDC Input



S66

## **Technical Specifications**

S66 Electronic Motor Control						
Line Voltage Range	120-277 VAC, 50-60 Hz	120-277 VAC, 50-60 Hz				
Start Voltage	S66AA: 50% of line voltage	S66AA: 50% of line voltage				
	S66DC: 40% of line voltage	S66DC: 40% of line voltage				
Control Case	Cold rolled steel, painted gr	Cold rolled steel, painted gray				
Enclosure	NEMA 1	NEMA 1				
Wiring Connections	S66AA: 0-10 VDC S66DC: 10-0 VDC	1/4 in. quick connects				
	Low voltage	1/4 in. quick connects				
	Line voltage	10-32 screw terminals				
Mounting	Vertical only, four holes for	Vertical only, four holes for No. 10 screws				
Signal Input Impedance	10,000 ohms					
Input Signal Voltage	S66AA: 0-10 VDC S66DC: 10-0 VDC					
Transient Protection	320 V surge suppression, exceeds IEEE 587 Standards					
Low Voltage Input	24 VAC, Class 2					
Minimum Motor Requirements	Ball bearing construction	Ball bearing construction				
	SF of !	SF of !				
	Low heat rise	Low heat rise				
	Approved for fan speed control					

#### **Electrical Ratings**

Motor Ratings VAC	120	208	240	277
Full Load Amps	9.8	9.3	8.0	6.9
Locked Rotor Amps	24.0	24.0	24.0	24.0