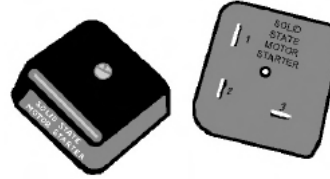




MACROSTART^{SS} SOLID STATE SWITCHES

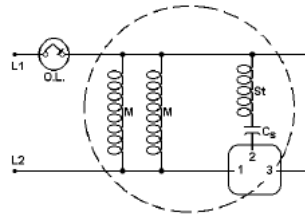
- Reduced Labor Cost
- Easy Installation
- Reduced Inventory Requirements
- No Contacts To Degrade
- Sealed Unit - Impervious to dust & moisture
- Replaces Obsolete Switches
- Performance documented at well over 1,000,000 start cycles



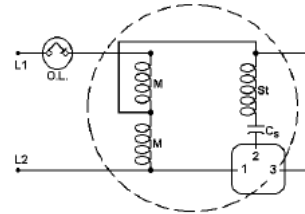
The MACROSTART^{SS} solid state switch is a time sensitive switch. It will disconnect the start winding after a specified period of time. This switch will work on split phase and capacitor start motors operating at 860 to 3450 RPM. It is compact in size and sealed to prevent dirt and moisture from entering the switch, and it can be mounted in any position. MACROSTART^{SS} has determined that a motor installed in an application will start in a specific period of time. For instance, a motor used in a water pump application will start in 1/3 second. If a motor stalls during run condition the power must be turned off in order to re-start the motor. The MACROSTART^{SS} will operate on 50 or 60 cycle, and voltages of 90 - 140 VAC or 200 - 260 VAC. Temperature range is 0-80°C. Physical dimension is 1-17/32" x 1-17/32" X 9/16" thick. Can be easily mounted via a #6 screw or by using an adhesive to secure it.

TYPICAL APPLICATION	MAX. TIME DELAY	START HP RATING	MAX. WINDING VOLTAGE	CURRENT RATING	PART NUMBER
Pump & Compressor Applications and motors with no starting load	1/3	2	115	20	STM-33-115
	1/3	2	230	10	STM-33-230
Waste Disposals & Fans or Cap Start motors with high starting load or Split Phase motors with low starting load.	1/2	2	115	20	STM-50-115
	1/2	2	230	10	STM-50-230
	1/2	5	115	30	STM-30-5-115
	1/2	5	230	30	STM-30-5-230
For Capacitor Start & Split Phase Motors starting under full load conditions.	1	2	115	20	STM-100-115
	1	2	230	10	STM-100-230
	1	5	115	30	STM-30-10-115
	1	5	230	30	STM-30-10-230

WIRING DIAGRAMS:



Connection For Single Voltage Motors or Dual Voltage at Low Voltage Connection For Split Phase Motors Disregard Start Capacitor



Connection For Dual Voltage Motors Connected At High Voltage For Split Phase Motors Disregard Start Capacitor

Caution: #2 terminal should never contact line power.
 Reversing terminal #1 & #2 will not allow motor to start.
 Reversing terminal #1 & #3 will damage the switch in 30 seconds.
 Reversing terminal #2 & #3 will cause the switch to fail immediately.

Mechanical "Instant Reverse" switches can be replaced by using two MACROSTART^{SS} switches. Request the instant reverse connection diagram to maintain the hookup of the original reversing switch, making it easy for the customer to

install the motor. MACROSTART^{SS} gives you the reliability and long life of an electronic switch. There are no contacts or moving parts to wear out.

