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AST-1

ELECTRONIC SOFT-STARTER



PRODUCT DESCRIPTION

The AST-1 series is a compact easy-to-use 1-phase electronic soft-starter, which is applied to soft-start & soft-stop 1-phase AC induction motors with full load current (FLC) up to 20A.

The AST-1 series come with built-in bypass relay and provide fit & forget concept along with reliability, quality, flexibility, competence & technical advancement.

Initial starting torque, ramp up time, ramp down time & kick start option are selectable by potentiometer.

It has been designed and rigorously tested to the exacting IEC/EN60947-4-2 standard.

PRODUCT FEATURES

- Advanced fully digital 8-bit CMOS micro-processor based electronic soft-starter
- Rated voltage: 100~127 / 200~240VAC, 1-ph, 50/60 Hz
- Rated current: 10 / 20A
- Ramp up time (soft-start): 3 sec
- Ramp down time (soft-stop): 0 / 2 sec
- Adjustable initial torque: 30% / 40% / 50% of mains supply
- Kick-start of full torque for 200 msec
- LEDs status display for:-
 - Stand-by
 - Ramp up
 - By-passed
 - Ramp down
- Output phase loss indication
- Over-temperature indication
- Voltage-free (dry contact) enable signal

PRODUCT SIZING TABLE

Model No.	Motor FLC (A)	Operating Voltage (VAC)
AST-1-X10	10	X=1 for 100~127VAC X=2 for 200~240VAC (1-phase; 50/60Hz)
AST-1-X20	20	

TYPICAL WIRING DIAGRAM

