

WorldStart ES

Efficient Soft Start Control Panel System

The World Start Efficient System (WSES) combines a reduced-voltage chassis starter, ancillary components, and controls to provide a single, cost-effective system suitable for operating equipment with basic performance requirements, such as pumps, fans, or motors.

The WSES features an intuitive parameter setup and multiple feature sets. Operationally the “At Speed / Run Bypass” mode takes over the motor load control from the SCR units after the motor is at full speed. This feature reduces panel heat during RUN mode. Emergency full-voltage bypass is not part of this system.

The secure lockable panel, with padlock disconnect, protects the ancillary components: terminal block, panel surge protection with the main circuit breaker, pilot devices, and other options, and provides a maintenance-friendly yet compact design.



Panel Controls

Panel Interior View

Quick Specs

- Capacity: 5 - 60 hp, 240 Vac, 10 - 150 hp, 480 Vac, and 15 - 200 hp at 575 Vac
- NEMA 4 Enclosure
- Adjustable current limit 250% to 450%
- Adjustable Motor Trip Class: 2 to 20 seconds



Responsive
Service & Technical Support



Quality Products
Competitive Pricing



In Stock Availability
Warehouses Nationwide

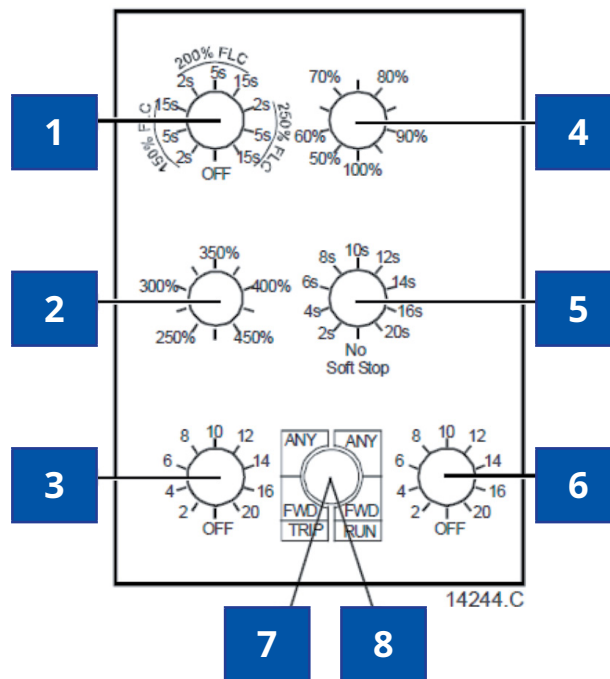


Fast Shipping
Same-Day Available

Product Features

- Standard pump and fan applications
- Constant current and current ramp soft start selectable modes
- Voltage ramp soft stop
- Coast to stop
- 250% to 450% adjustable current limit
- 5-60 hp, 230 V, three-phase,
- 10-150 hp ,480 V, three-phase,
- Input voltage range:
 - 200-230 V three-phase (-15%, +10%)
 - 380-480 V three-phase (-15%, +10%)
- Control voltage 110-240 Vac (-15%, +10%)
- Configuration dials on front of chassis unit
- Door mounted Start / Stop pushbuttons
- Programmable output on chassis unit
- Motor protection: motor overload, motor thermistor input, current imbalance, excess start time and more
- Two-phase control of three-phase power
- Chassis provides status feedback LEDs
- Optional remote operator keypad
- Optional Modbus or Ethernet cards
- Assembled per UL508A

Product Controls



Controls	
1	Current Ramp
2	Current Limit
3	Motor Trip Class
4	Motor FLC
5	Soft Stop Time
6	Excess Start Time
7	Auxiliary Relay Function
8	Phase Sequence Protection

WSES Options	
Option Code	Option Description
R0	Door mounted keypad and NEMA 4 Door
X10	Modbus TCP/IP port option module
X11	Ethernet/IP port option module

WSES with 575 Vac-Rated Internal Bypass				Standard Duty at 40 °C 350%, 30 seconds, 4 starts/hour					
Model Number	Dimensions H x W x D (in)	Weight (lbs)	Max. Duty Amps	Horsepower				Max. Amps	
				208 V	230 V	460 V	575 V	40 °C	50 °C
WSES-025N4	24"x24"x12"	100	34	7.5	10	20	30	34	32
WSES-040N4	24"x24"x12"	100	60	15	20	40	50	60	55
WSES-060N4	24"x24"x12"	107	85	25	30	60	75	85	78
WSES-075N4	24"x24"x12"	107	100	30	30	75	100	100	100
WSES-100N4	30"x24"x12"	125	140	40	50	100	125	140	133
WSES-125N4	30"x24"x12"	125	170	50	60	125	150	170	157
WSES-150N4	30"x24"x12"	125	200	60	75	150	200	200	186

¹ Given weights and dimensions are approximate



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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