

WWTP Blower Control Panels

- NEMA 4X enclosures stand up to tough environments
- Choose from simplex or duplex units with 1- or 3-phase motors

These control panels offer many features normally found only in expensive custom panels. They feature IEC contactors with adjustable Class 10 overloads and run lights; circuit breakers that provide blower disconnect and branch circuit protection; and an internally mounted hour meter for easy maintenance scheduling.

Choose from simplex units or more advanced duplex units, which feature an alternating relay with override control for individual or two-blower operation. Both types are available with either 1- or 3-phase motors. Units with 3-phase motors feature a multi-tap control circuit transformer; 1-phase units do not have transformers and must be supplied with 120 VAC power.

For all models, the adjustable overload amp range listed below encompasses the full load amp (FLA) rating on your motor's nameplate for the line voltage you operate at. Where ranges overlap, select the range that provides you with the most upward adjustment.

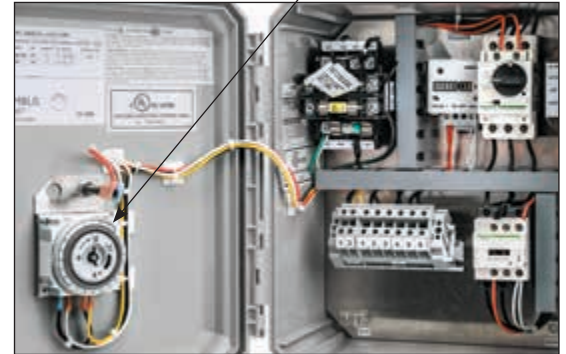
Includes: wiring diagram. 2-year warranty.



Turnkey blower control panels specially equipped for STP blower service



Built-in time clock mounted inside of door panel



OVERLOAD RANGE (AMPS)	SIMPLEX PANELS STOCK #	EACH	DUPLEX PANELS STOCK #	EACH
1-PH BLOWER CONTROL PANELS				
1.25 to 5	301550	\$	301554	\$
3 to 12	301551		301555	
8 to 32	301552		301556	
30 to 40	301553		301557	
3-PH BLOWER CONTROL PANELS				
1.25 to 5	301558	\$	301564	\$
3 to 12	301559		301565	
8 to 32	301560		301566	
30 to 40	301561		301567	
37 to 50	301562		301568	
48 to 65	301563		301569	

- Connections:** terminal block for connecting time clock, DO control, etc., to control circuit
- Control switch:** internally mounted hand-off-auto switch
- Contactor:** IEC, with adjustable Class 10 overloads and run lights
- Time clock:** 24-hour, 96 pin
- Circuit protection:** circuit breaker for blower disconnect and branch circuit protection
- Relays:** duplex units; alternating relay with override control
- Transformer:** 3-phase units; multi-tap 120V control circuit (208-230/460V primary)
- Enclosure:** NEMA 4X with lockable latch and ground lug

Siemens Furnas Open-Type Heavy-Duty 3-Phase NEMA Motor Starters

- Solid state ESP200® adjustable overloads
- NEMA sizes 00 to 3, with half sizes

These rugged Siemens NEMA motor starters feature solid state ESP200 overload relays, which run cooler than bimetal overloads and are adjustable. The large silver cadmium contacts ensure minimum current loss and maximum life span.

They offer dual voltage coils, overload test, straight through wiring and gravity dropout. They also provide phase loss, phase unbalance and ground fault protection. Trip reset can be set to automatic or manual. Half sizes provide a money-saving alternative to jumping up to the next full size when you only need a small additional load range.

To choose a motor starter, first determine the Full Load Amperage (FLA) of your motor. Then move down the column with your operating voltage, using the max horsepower (hp) as a guide, until your FLA falls within the overload amp range listed. For example, a 3-hp motor operating at 230 volts with a FLA of 9.6 is stock # 22734. For other sizes and ranges, contact us.

Note: All starters below are equipped with 1-phase 115/230 dual voltage coils. Please call if you require another coil voltage.



NEMA Motor Starter

NEMA Motor Starters

MFR #	NEMA SIZE	MAX HP @ LISTED VOLTAGE				OVERLOAD RANGE (AMPS)	STOCK #	EACH
		200 VOLT	230 VOLT	460 VOLT	575 VOLT			
14BUB32AA	00	1/2	3/4	1 1/2	2	0.75 to 3.4	22730	\$
14BUC32AA	00	1 1/2	1 1/2	2	—	3 to 12	22731	
14CUB32AA	0	1/2	3/4	1 1/2	—	0.75 to 3.4	22732	
14CUC32AA	0	2	2	5	5	3 to 12	22733	
14CUD32AA	0	3	3	—	—	5.5 to 22	22734	
14DUB32AA	1	1/2	3/4	1 1/2	2	0.75 to 3.4	22735	
14DUC32AA	1	2	2	5	5	3 to 12	22736	
14DUD32AA	1	3	3	10	10	5.5 to 22	22738	
14DUE32AA	1	7 1/2	7 1/2	—	—	10 to 40	22739	
14EUE32AA	1 3/4	10	10	15	15	10 to 40	22740	
14FUF32AA	2	10	15	25	25	13 to 52	22742	
14GUG32AA	2 1/2	15	20	30	30	25 to 100	22744	
14HUG32AA	3	25	30	50	50	25 to 100	22746	



Side-Mount Auxiliary Contact Blocks

Each motor starter includes one normally open (NO) auxiliary contact as standard. Choose from the contact blocks listed below for additional auxiliary contacts for alarms, dialers, PLCs, etc.

CONTACTS	STOCK #	EACH
1 NO + 1 NC	22750	\$
2 NO	22751	
1 NC	22752	
2 NO + 2 NC	22753	

Note: NO = Normally Open, NC = Normally Closed contacts



Auxiliary Contact Block