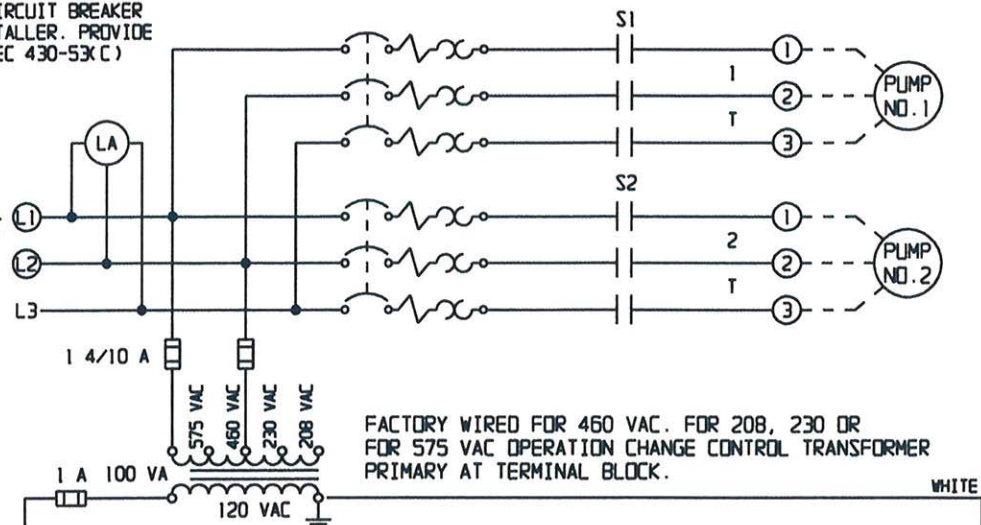
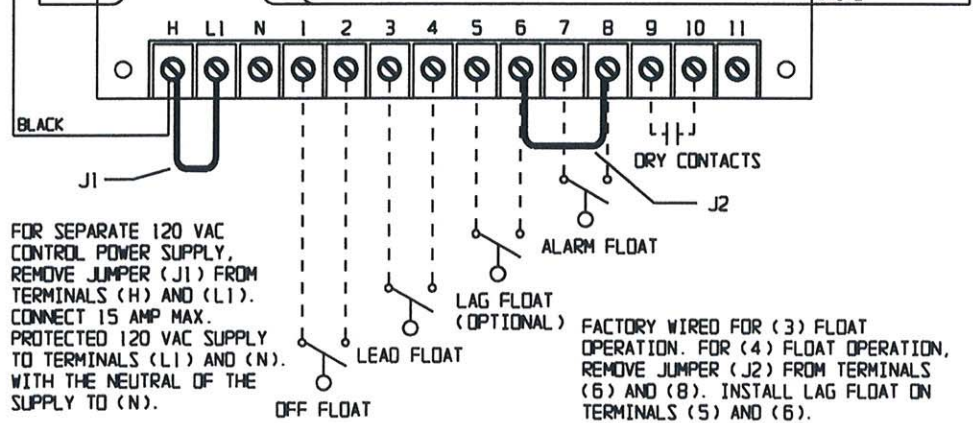
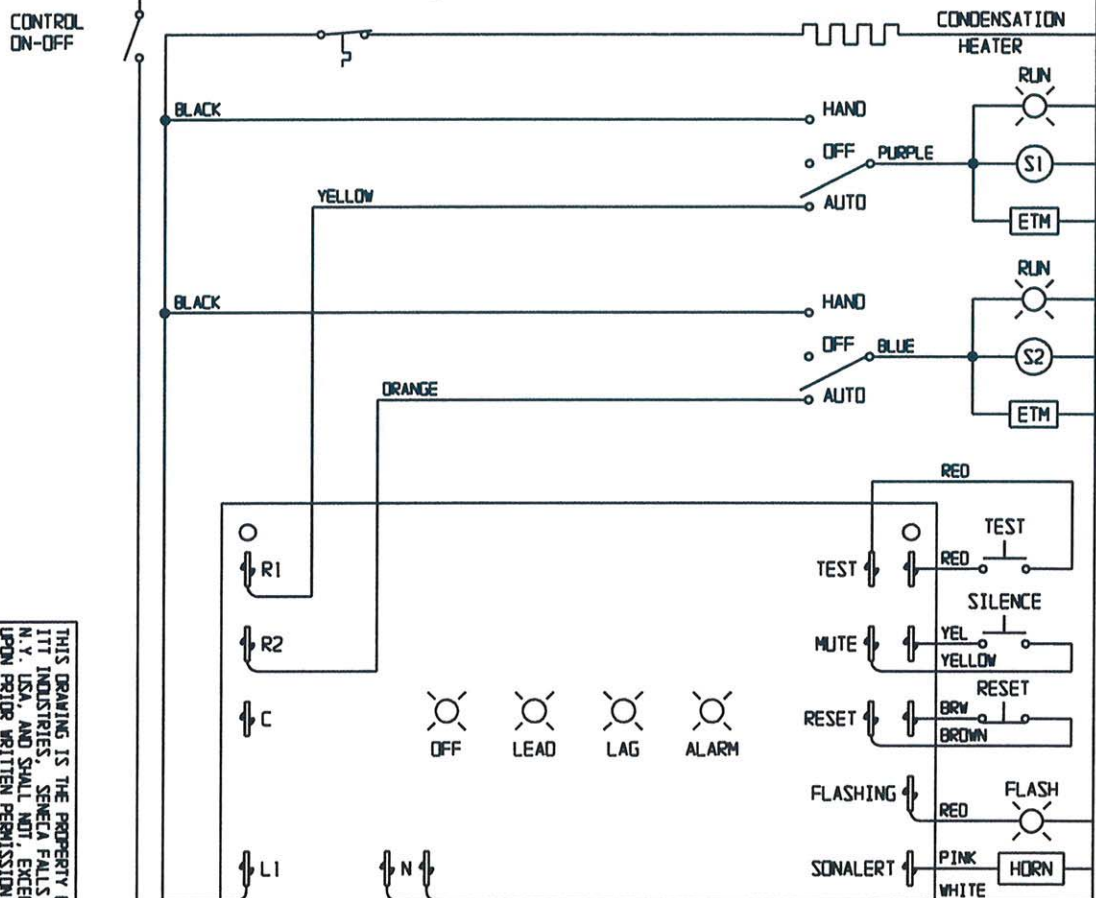


A FUSED DISCONNECT OR CIRCUIT BREAKER MUST BE PROVIDED BY INSTALLER. PROVIDE DISCONNECT SIZING PER NEC 430-53(C)

208/230/460/575 VAC  
3 PHASE  
60 HZ



FACTORY WIRED FOR 460 VAC. FOR 208, 230 OR FOR 575 VAC OPERATION CHANGE CONTROL TRANSFORMER PRIMARY AT TERMINAL BLOCK.



FOR SEPARATE 120 VAC CONTROL POWER SUPPLY, REMOVE JUMPER (J1) FROM TERMINALS (H) AND (L1). CONNECT 15 AMP MAX. PROTECTED 120 VAC SUPPLY TO TERMINALS (L1) AND (N). WITH THE NEUTRAL OF THE SUPPLY TO (N).

FACTORY WIRED FOR (3) FLOAT OPERATION. FOR (4) FLOAT OPERATION, REMOVE JUMPER (J2) FROM TERMINALS (6) AND (8). INSTALL LAG FLOAT ON TERMINALS (5) AND (6).

FOR USE WITH WIDE ANGLE FLOAT SWITCH (ONE FLOAT FOR BOTH ON AND OFF OPERATION). JUMP TERMINALS (3) AND (4), INSTALL WIDE ANGLE FLOAT TO TERMINALS (1) AND (2).

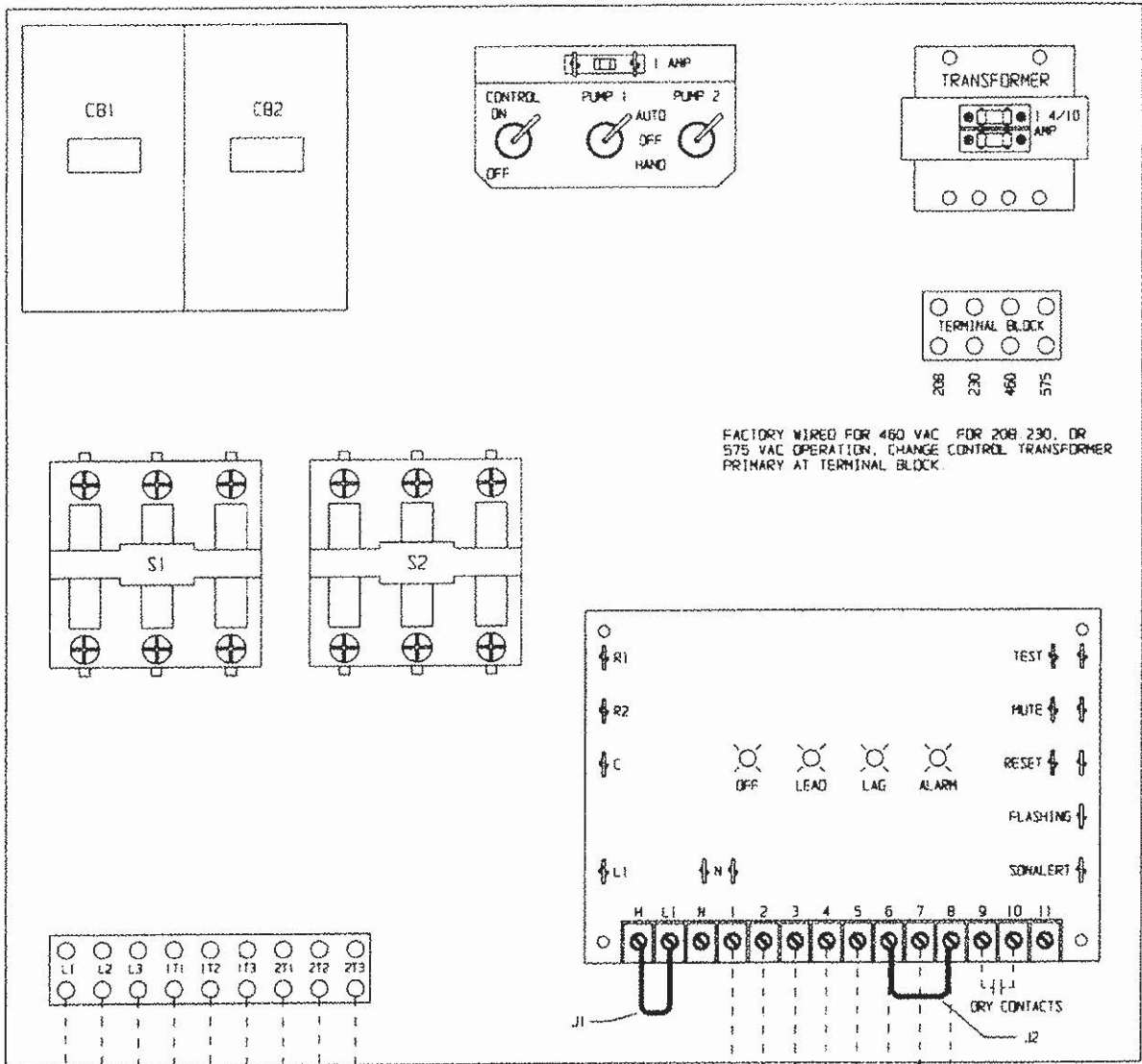
THIS DRAWING IS THE PROPERTY OF ITT INDUSTRIES, SENECA FALLS, N.Y., USA, AND SHALL NOT, EXCEPT UPON PRIOR WRITTEN PERMISSION OF ITT INDUSTRIES, BE USED FOR ANY PURPOSE EXCEPT THE MANUFACTURE OF ARTICLES FOR ITT INDUSTRIES. DRAWING TO BE RETURNED UPON REQUEST.

MODEL NUMBER	D32540CEG	ORDER	38010
REPREPARED BY:	CentriPro ITT Industries	DATE	8-20-09
DRAWING	JLH	REVISION	
DATE			

D32540 WITH OPTION (C): COND. AIR (E): LIGHTING ARRESTOR (G): FLUORO TIME METERS

BOULAY FABRICATION, INC.

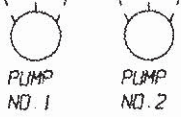
# THREE PHASE DUPLEX PANEL LAYOUT



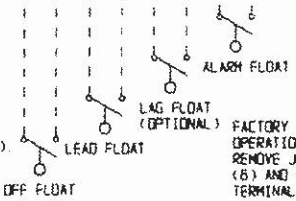
FACTORY WIRED FOR 460 VAC FOR 208, 230, OR 575 VAC OPERATION, CHANGE CONTROL TRANSFORMER PRIMARY AT TERMINAL BLOCK.

208/230/460/575  
3 PHASE  
60 HZ

A FUSED DISCONNECT OR CIRCUIT BREAKER MUST BE PROVIDED BY INSTALLER. PROVIDE DISCONNECT SIZING PER NEC 430-53(C).



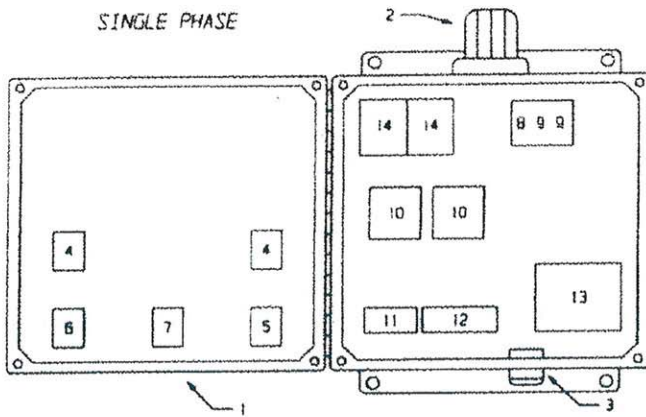
FOR SEPARATE 120 VAC CONTROL POWER SUPPLY, REMOVE JUMPER (J1) FROM TERMINALS (H) AND (L1). CONNECT 15 AMP MAX PROTECTED 120 VAC SUPPLY TO TERMINALS (L1) AND (N), WITH THE NEUTRAL OF THE SUPPLY TO (N).



FACTORY WIRED FOR (3) FLOAT OPERATION. FOR (4) FLOAT OPERATION, REMOVE JUMPER (J2) FROM TERMINALS (6) AND (8). INSTALL LAG FLOAT ON TERMINALS (5) AND (6).

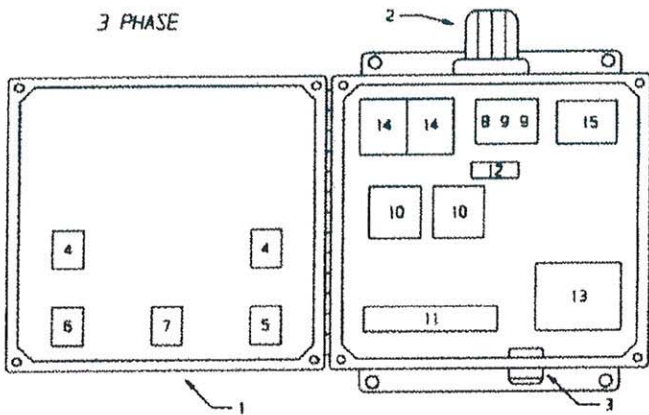
## SES SERIES DUPLIX CONTROL PANELS

SINGLE PHASE

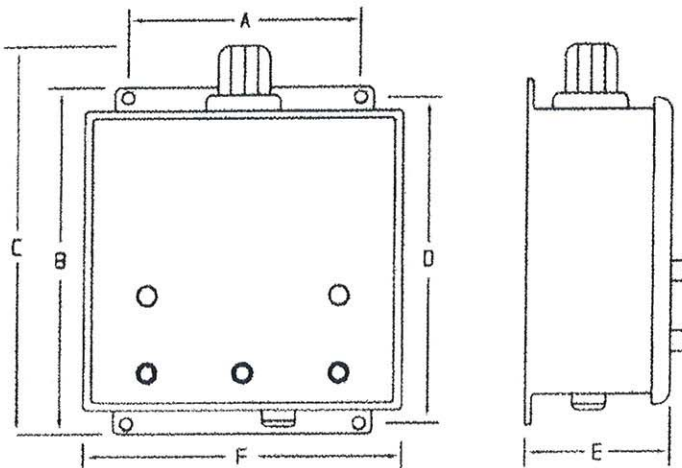


ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	NEMA 4X FRP ENCLOSURE	10	CONTACTORS
2	FLASHING ALARM LIGHT	11	TERMINAL STRIP
3	ALARM HORN	12	TERMINAL STRIP
4	PUMP RUN LIGHTS	13	CONTROL BOARD
5	ALARM TEST PUSH BUTTON	14	MOTOR CIRCUIT BREAKERS
6	ALARM RESET PUSH BUTTON		
7	ALARM SILENCE PUSH BUTTON		
8	CONTROL POWER ON-OFF SELECTOR SWITCH		
9	H-O-A SELECTOR SWITCHES		

3 PHASE



ITEM	DESCRIPTION	ITEM	DESCRIPTION
1	NEMA 4X FRP ENCLOSURE	10	CONTACTORS
2	FLASHING ALARM LIGHT	11	TERMINAL STRIP
3	ALARM HORN	12	TERMINAL STRIP
4	PUMP RUN LIGHTS	13	CONTROL BOARD
5	ALARM TEST PUSH BUTTON	14	MOTOR CIRCUIT BREAKERS
6	ALARM RESET PUSH BUTTON	15	CONTROL CIRCUIT TRANSFORMER
7	ALARM SILENCE PUSH BUTTON		
8	CONTROL POWER ON-OFF SELECTOR SWITCH		
9	H-O-A SELECTOR SWITCHES		



### ENCLOSURE DIMENSIONS ( IN INCHES )

#### SINGLE PHASE

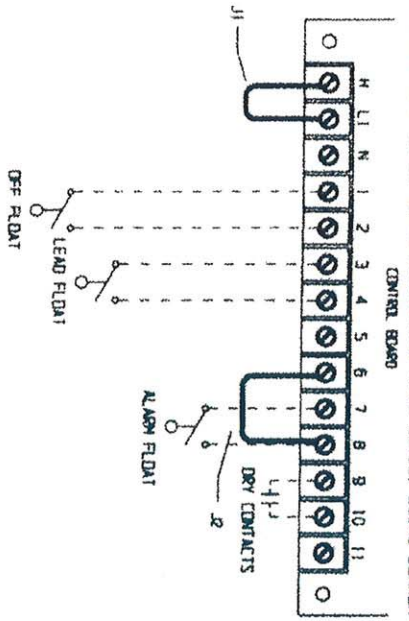
A	B	C	D	E	F
10	15 1/2	18 3/4	14 3/4	6 5/8	13 1/4

#### 3 PHASE

A	B	C	D	E	F
13	17 1/2	20 3/4	16 3/4	6 5/8	15 1/2

### FLOAT INSTALLATION

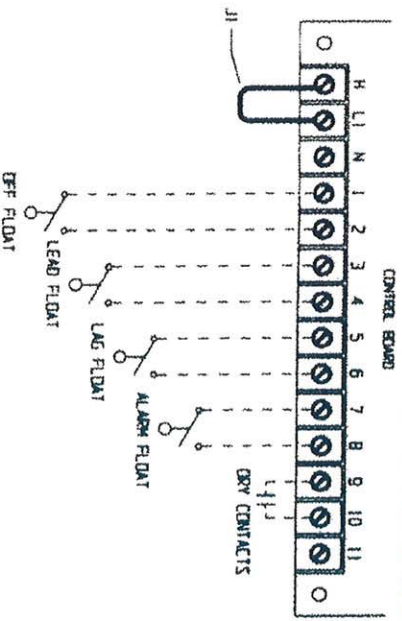
TYPICAL THREE FLOAT OPERATION  
(LAG PUMP AND HIGH LEVEL ALARM ACTIVATE AT SAME LEVEL. USING COMMON FLOAT)



CONTROL PANEL COMES FACTORY WIRED FOR THREE FLOAT OPERATION.  
INSTALL OFF FLOAT TO TERMINALS (1) & (2).  
INSTALL LEAD FLOAT TO TERMINALS (3) & (4).  
INSTALL HIGH LEVEL/LAG START FLOAT TO TERMINALS (7) & (8).

### FLOAT INSTALLATION

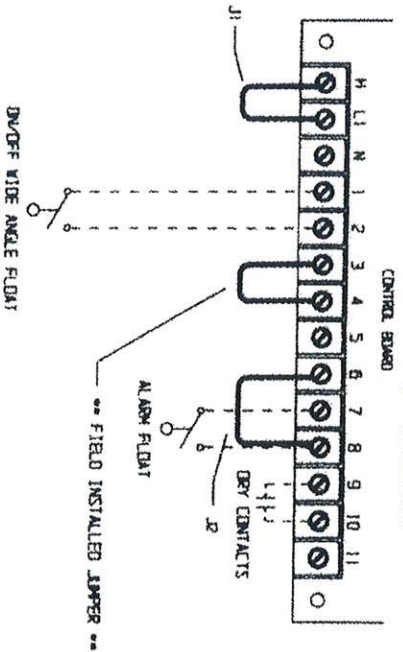
TYPICAL FOUR FLOAT OPERATION  
(LAG PUMP AND HIGH LEVEL ALARM ACTIVATE AT DIFFERENT LEVELS. USING SEPARATE FLOATS)



JUMPER (J1) MUST BE REMOVED FROM TERMINALS (6) & (8).  
INSTALL OFF FLOAT TO TERMINALS (1) & (2).  
INSTALL LEAD FLOAT TO TERMINALS (3) & (4).  
INSTALL LAG FLOAT TO TERMINALS (5) & (6).  
INSTALL HIGH LEVEL ALARM FLOAT TO TERMINALS (7) & (8).

### FLOAT INSTALLATION

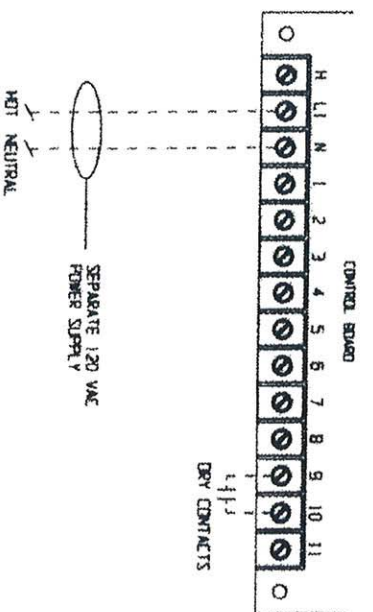
WIDE ANGLE FLOAT  
(ONE FLOAT FOR BOTH ON AND OFF OPERATION)



INSTALL WIDE ANGLE ON/OFF FLOAT TO TERMINALS (1) & (2).  
INSTALL A JUMPER WIRE (NOT SUPPLIED WITH PANEL) TO TERMINALS (3) & (4).  
INSTALL HIGH LEVEL/LAG START FLOAT TO TERMINALS (7) & (8).

### SEPARATE 120 VAC SUPPLY

INSTALLATION OF SEPARATE 120 VAC CONTROL CIRCUIT POWER IS REQUIRED.



JUMPER (J1) MUST BE REMOVED FROM TERMINALS (H) & (LI).  
INSTALL 15 AMP MAX. PROTECTED 120 VAC SUPPLY TO TERMINALS (LI) & (N).  
WITH NEUTRAL OF SUPPLY TO TERMINAL (N).  
INSTALL FLOATS SWITCHES USING ONE OF THE THREE INSTALLATION GUIDES.