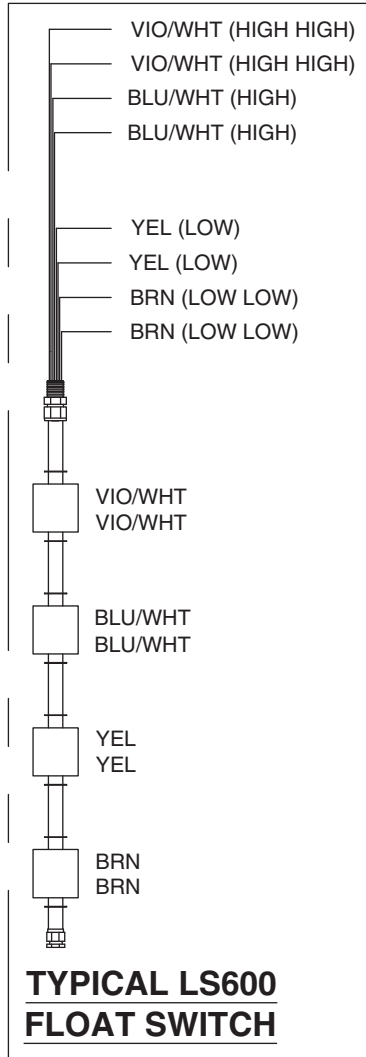
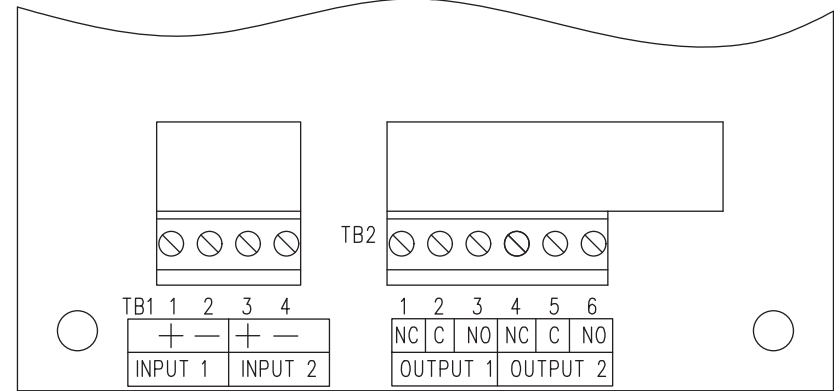


# WIRING DRAWING - 2-PHASE PC1003/PC1004 (SEE PAGE 2 FOR 3-PHASE PC1003/PC1004)

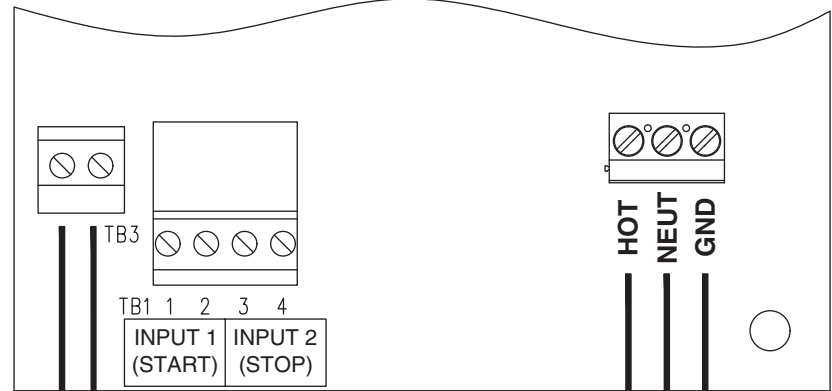


## ALARM INPUT/OUTPUT BOARD



RELAY OUTPUT WIRING  
 USE 22 AWG WIRES  
 OR CABLE  
 (SEE NOTE 2)

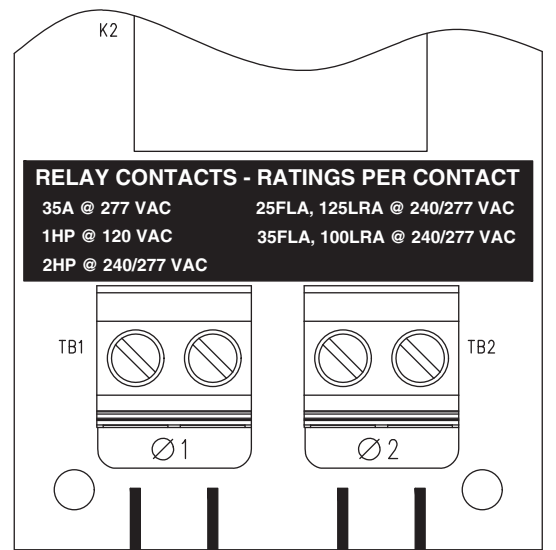
## PUMP CONTROL INPUT BOARD



TO EARTH  
 GROUND  
 (SEE NOTE 3)

120 VAC  
 50/60Hz  
 USE 14 AWG  
 WIRES OR  
 CABLE

## 2-PHASE PUMP CONTROL OUTPUT BOARD



PUMP CONTROL RELAY OUTPUTS  
 (TERMINAL BLOCKS ACCEPT  
 MAX. 8 AWG WIRES)

### IMPORTANT!

PUMP CONTROL RELAY OUTPUTS ARE **NOT POWERED**. EXTERNAL POWER MUST BE SUPPLIED TO DEVICES BEING CONTROLLED.

		FLOAT SWITCH INPUTS <sup>a</sup>			
		ALARMS		PUMP CONTROLS	
MODEL	MODE	INPUT 1	INPUT 2	INPUT 1 (START)	INPUT 2 (STOP)
2 OR 3-PHASE PC1003L (CRIT. LOW) <sup>b</sup>	PUMP DOWN (EMPTY)	BRN - BRN		BLU/WHT - BLU/WHT	YEL - YEL
2 OR 3-PHASE PC1003H (CRIT. HIGH) <sup>c</sup>	PUMP UP (FULL)	VIO/WHT - VIO/WHT		YEL - YEL	BLU/WHT - BLU/WHT
2 OR 3-PHASE PC1004	PUMP DOWN (EMPTY)	BRN - BRN	VIO/WHT - VIO/WHT	BLU/WHT - BLU/WHT	YEL - YEL
	PUMP UP (FULL)	BRN - BRN	VIO/WHT - VIO/WHT	YEL - YEL	BLU/WHT - BLU/WHT

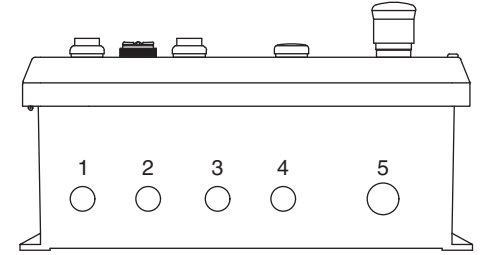
<sup>a</sup> USE 22 AWG WIRES OR CABLE (SEE NOTE 1)  
<sup>b</sup> FOR PC1003L "PUMP UP" APPLICATIONS, "YEL - YEL" MUST BE CONNECTED TO INPUT 1 (START) AND "BLU/WHT - BLU/WHT" TO INPUT 2 (STOP).  
<sup>c</sup> FOR PC1003H "PUMP DOWN" APPLICATIONS, "BLU/WHT - BLU/WHT" MUST BE CONNECTED TO INPUT 1 (START) AND "YEL - YEL" TO INPUT 2 (STOP).

### IMPORTANT NOTES - READ CAREFULLY BEFORE INSTALLATION

- INTRINSICALLY SAFE INPUT WIRING: WIRE AND INSTALL IN ACCORDANCE WITH ARTICLE 504 OF NATIONAL ELECTRICAL CODE ANSI/NFPA 70. NON-INTRINSICALLY SAFE WIRING CANNOT BE RUN IN CONDUIT OR OPEN RACEWAYS TOGETHER WITH INTRINSICALLY SAFE WIRING.
- DRY CONTACT SWITCH OUTPUT: WIRE TO COMMON AND EITHER NORMALLY OPEN OR NORMALLY CLOSED FOR DESIRED SWITCH CONTACT. OUTPUT RATED 3 AMPS AT 120 VAC.
- WARNING: TO INSURE INTRINSIC SAFETY, A 12 AWG WIRE MUST BE CONNECTED TO EACH TERMINAL. EACH WIRE MUST THEN BE CONNECTED TO THE SYSTEM EARTH GROUND (GROUND BUSS BAR) AT THE SERVICE PANEL. THE RESISTANCE BETWEEN THE EARTH GROUND TERMINAL BLOCK AND EARTH GROUND SHALL BE LESS THAN 1 OHM.

### CONDUIT DESIGNATION

(SEE OUTLINE DRAWING 10574 FOR SIZES)

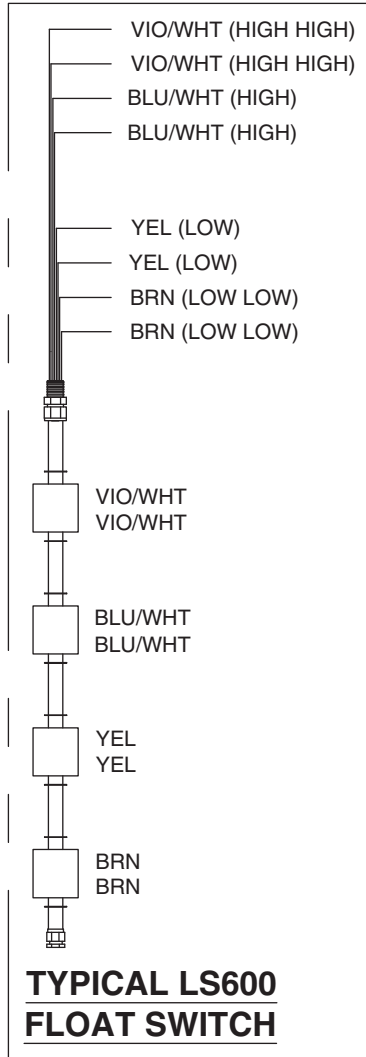


- 1. I.S. INPUTS
- 2. RELAY OUTPUTS
- 3. EARTH GND & I.S. INPUTS
- 4. AC POWER
- 5. PUMP CTL RELAY OUTPUTS

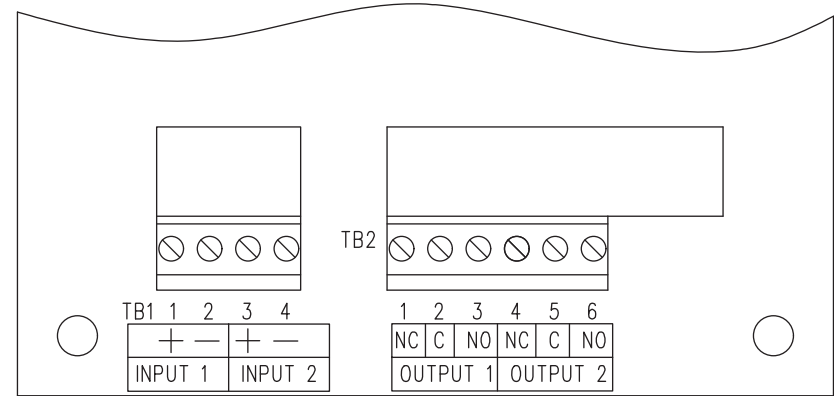


Questions? Contact Technical Support at (800) 209-7858

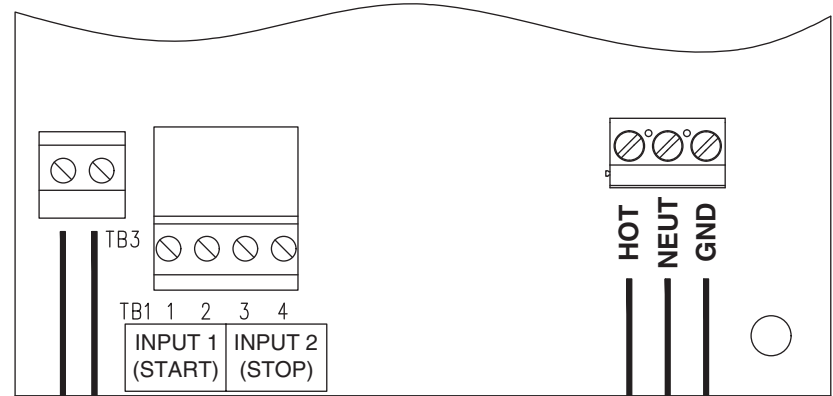
# WIRING DRAWING - 3-PHASE PC1003/PC1004 (SEE PAGE 1 FOR 2-PHASE PC1003/PC1004)



## ALARM INPUT/OUTPUT BOARD



## PUMP CONTROL INPUT BOARD

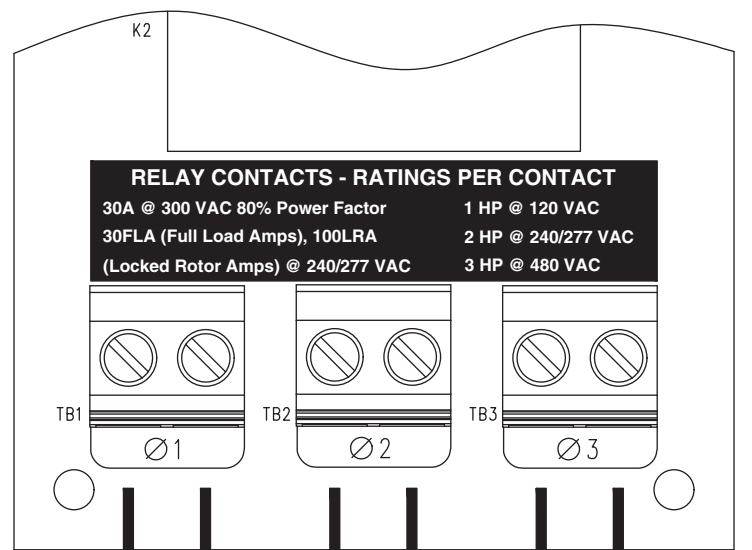


RELAY OUTPUT WIRING  
USE 22 AWG WIRES  
OR CABLE  
(SEE NOTE 2)

TO EARTH  
GROUND  
(SEE NOTE 3)

120 VAC  
50/60Hz  
USE 14 AWG  
WIRES OR  
CABLE

## 3-PHASE PUMP CONTROL OUTPUT BOARD



RELAY CONTACTS - RATINGS PER CONTACT	
30A @ 300 VAC 80% Power Factor	1 HP @ 120 VAC
30FLA (Full Load Amps), 100LRA	2 HP @ 240/277 VAC
(Locked Rotor Amps) @ 240/277 VAC	3 HP @ 480 VAC

PUMP CONTROL RELAY OUTPUTS  
(TERMINAL BLOCKS ACCEPT  
MAX. 8 AWG WIRES)

### IMPORTANT!

PUMP CONTROL RELAY OUTPUTS ARE **NOT POWERED**. EXTERNAL POWER MUST BE SUPPLIED TO DEVICES BEING CONTROLLED.

FLOAT SWITCH INPUTS <sup>a</sup>					
MODEL	MODE	ALARMS		PUMP CONTROLS	
		INPUT 1	INPUT 2	INPUT 1 (START)	INPUT 2 (STOP)
2 OR 3-PHASE PC1003L (CRIT. LOW) <sup>b</sup>	PUMP DOWN (EMPTY)	BRN - BRN		BLU/WHT - BLU/WHT	YEL - YEL
2 OR 3-PHASE PC1003H (CRIT. HIGH) <sup>c</sup>	PUMP UP (FULL)	VIO/WHT - VIO/WHT		YEL - YEL	BLU/WHT - BLU/WHT
2 OR 3-PHASE PC1004	PUMP DOWN (EMPTY)	BRN - BRN	VIO/WHT - VIO/WHT	BLU/WHT - BLU/WHT	YEL - YEL
	PUMP UP (FULL)	BRN - BRN	VIO/WHT - VIO/WHT	YEL - YEL	BLU/WHT - BLU/WHT

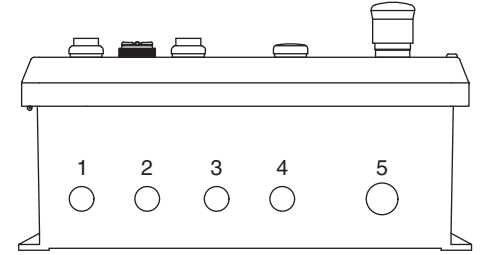
<sup>a</sup> USE 22 AWG WIRES OR CABLE (SEE NOTE 1)  
<sup>b</sup> FOR PC1003L "PUMP UP" APPLICATIONS, "YEL - YEL" MUST BE CONNECTED TO INPUT 1 (START) AND "BLU/WHT - BLU/WHT" TO INPUT 2 (STOP).  
<sup>c</sup> FOR PC1003H "PUMP DOWN" APPLICATIONS, "BLU/WHT - BLU/WHT" MUST BE CONNECTED TO INPUT 1 (START) AND "YEL - YEL" TO INPUT 2 (STOP).

### IMPORTANT NOTES - READ CAREFULLY BEFORE INSTALLATION

- INTRINSICALLY SAFE INPUT WIRING: WIRE AND INSTALL IN ACCORDANCE WITH ARTICLE 504 OF NATIONAL ELECTRICAL CODE ANSI/NFPA 70. NON-INTRINSICALLY SAFE WIRING CANNOT BE RUN IN CONDUIT OR OPEN RACEWAYS TOGETHER WITH INTRINSICALLY SAFE WIRING.
- DRY CONTACT SWITCH OUTPUT: WIRE TO COMMON AND EITHER NORMALLY OPEN OR NORMALLY CLOSED FOR DESIRED SWITCH CONTACT. OUTPUT RATED 3 AMPS AT 120 VAC.
- WARNING: TO INSURE INTRINSIC SAFETY, A 12 AWG WIRE MUST BE CONNECTED TO EACH TERMINAL. EACH WIRE MUST THEN BE CONNECTED TO THE SYSTEM EARTH GROUND (GROUND BUSS BAR) AT THE SERVICE PANEL. THE RESISTANCE BETWEEN THE EARTH GROUND TERMINAL BLOCK AND EARTH GROUND SHALL BE LESS THAN 1 OHM.

### CONDUIT DESIGNATION

(SEE OUTLINE DRAWING 10574 FOR SIZES)



- I.S. INPUTS
- RELAY OUTPUTS
- EARTH GND & I.S. INPUTS
- AC POWER
- PUMP CTL RELAY OUTPUTS

Questions? Contact Technical Support at (800) 209-7858