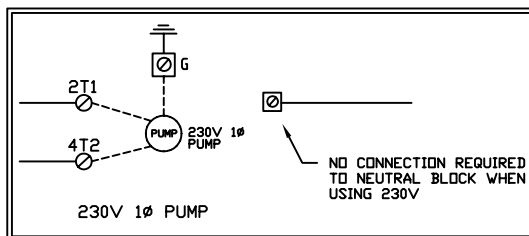


PROGRAM: 1969r1

NOTE

1. INTERNAL MOTOR THERMAL OVERLOAD IS RECOMMENDED.



LEGEND

- WIRING BY VENDOR
- - - WIRING BY CUSTOMER



Delta Environmental Products, Inc.
P.O. Box 969 Denham Springs, LA 70727

DWN BY:
C.RACHAL

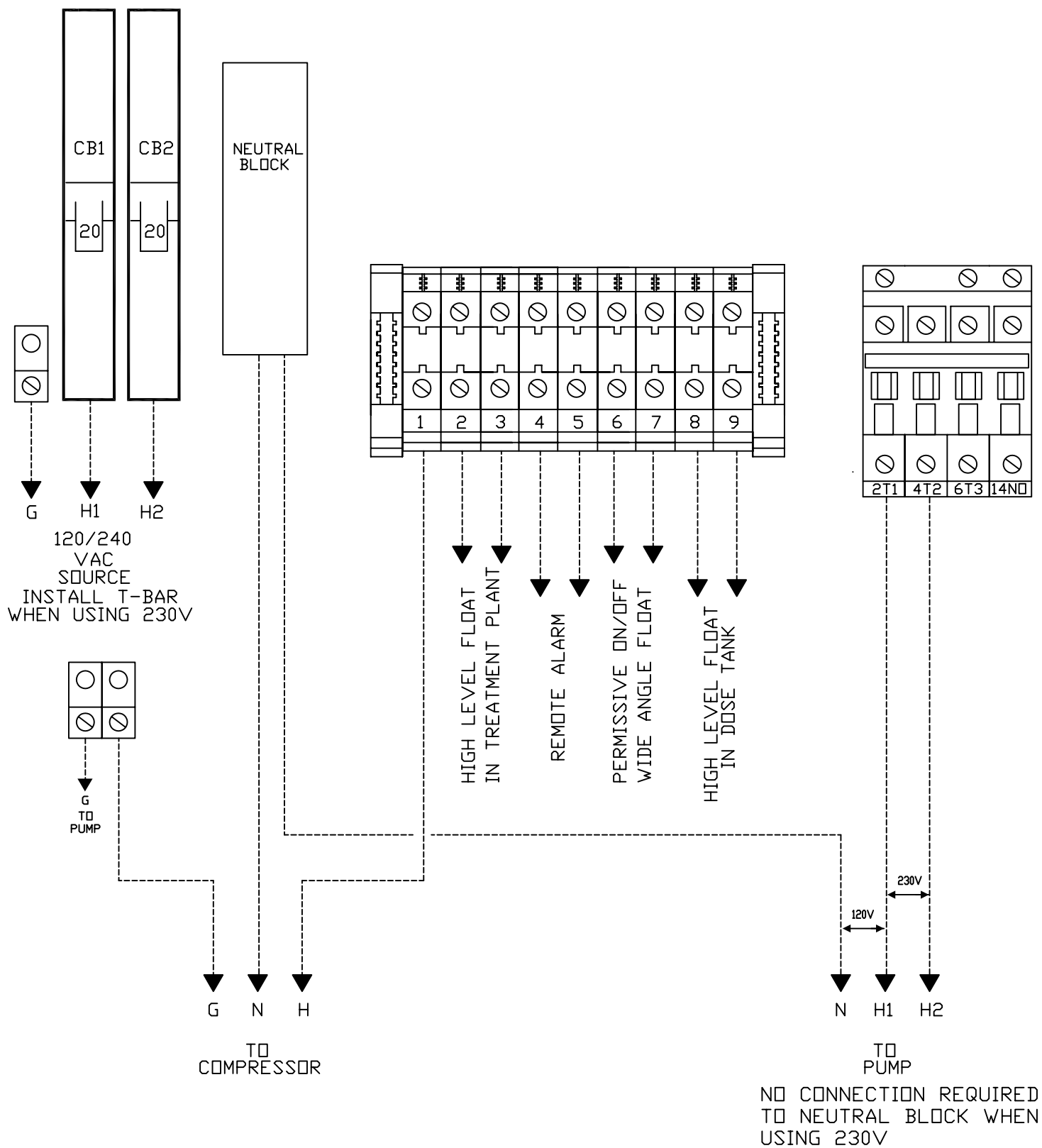
DATE:
2/17/05

SCALE:
N.T.S.

DWG. NO.:
CP-1969r1

JOB NO.:

SCHEMATIC DIAGRAM DUAL VOLTAGE NUTRI-CLEAR™ CONTROL PANEL



Delta Environmental Products, Inc.
P.O. Box 969 Denham Springs, LA 70727

EXTERNAL CONNECTIONS DUAL VOLTAGE NUTRI-CLEAR™ CONTROL PANEL

DWN BY:
C.RACHAL

DATE:
2/17/05

SCALE:
N.T.S.

DWG. NO.:
CP-1969r1

JOB NO.:

CP1969r1
PLC PARAMETERS

<u>BLOCK</u>	<u>DESCRIPTION</u>	<u>FACTORY SETTING</u>	<u>PLC NOMENCLATURE</u>
B01	No.1	Cam no.1	---
	DAY	7 days/wk	MO-SU
	ON	8:00 am	08:00
	OFF	7:00 am	07:00
B02	No.2	Cam no.1	---
	DAY	7 days/wk	MO-SU
	ON	7:00 pm	19:00
	OFF	6:00 pm	18:00
B03	No.3	Cam no.1	---
	DAY	7 days/wk	MO-SU
	ON	12:00 midnight	00:00
	OFF	11:59 pm	23:59
B04	TH = PUMP RUN TIME	12 minutes	12:00m
	TL = PUMP OFF TIME	2 hours	02:00h

Note: Minute settings are in minutes and seconds. For example 02:00m is 2 minutes, 02:10m is 2 minutes and 10 seconds. Hour settings are in hours and minutes. For example 02:00h is 2 hours and no minutes, 02:10h is 2 hours and 10 minutes, and 00:12h is 12 minutes.

In addition to the settings above, various other parameters can be viewed as follows:

- Pump run time hours
- Pump start counts
- High level counts

OPERATION

COMPRESSOR TURNS OFF 2 TIMES PER DAY FOR 1 HOUR.

THIS TIME FRAME IS TYPICALLY SET TO OCCUR DURING MAXIMUM LOADINGS. DURING THE OFF TIME THE COMPRESSOR WILL TURN ON FOR 1 MINUTE EVERY 15 MINUTES TO KEEP THE SYSTEM MIXED.

THE 3RD CLOCK (B03) IS NOT USED UNLESS NECESSARY. WHEN NOT USED, IT IS SET TO TURN OFF 1 MINUTE BEFORE MIDNIGHT AND TO TURN BACK ON AT MIDNIGHT. THE COMPRESSOR WILL NOT SHUT DOWN DURING THIS 1 MINUTE OFF TIME.

THE PUMP IS SET TO RUN FOR 12 MINUTES EVERY 2 HOURS.

IF THE COMPRESSOR FAILS, THE PUMP WILL SHUT DOWN.

THE PLC DETECTS THE DIFFERENCE BETWEEN A COMPRESSOR FAILURE AND THE NORMAL OFF TIME FOR THE COMPRESSOR.

THERE IS A 2 MINUTE DELAY UPON POWER UP BEFORE THE PUMP WILL OPERATE.

UNDERLINED VALUES ARE ADJUSTABLE.