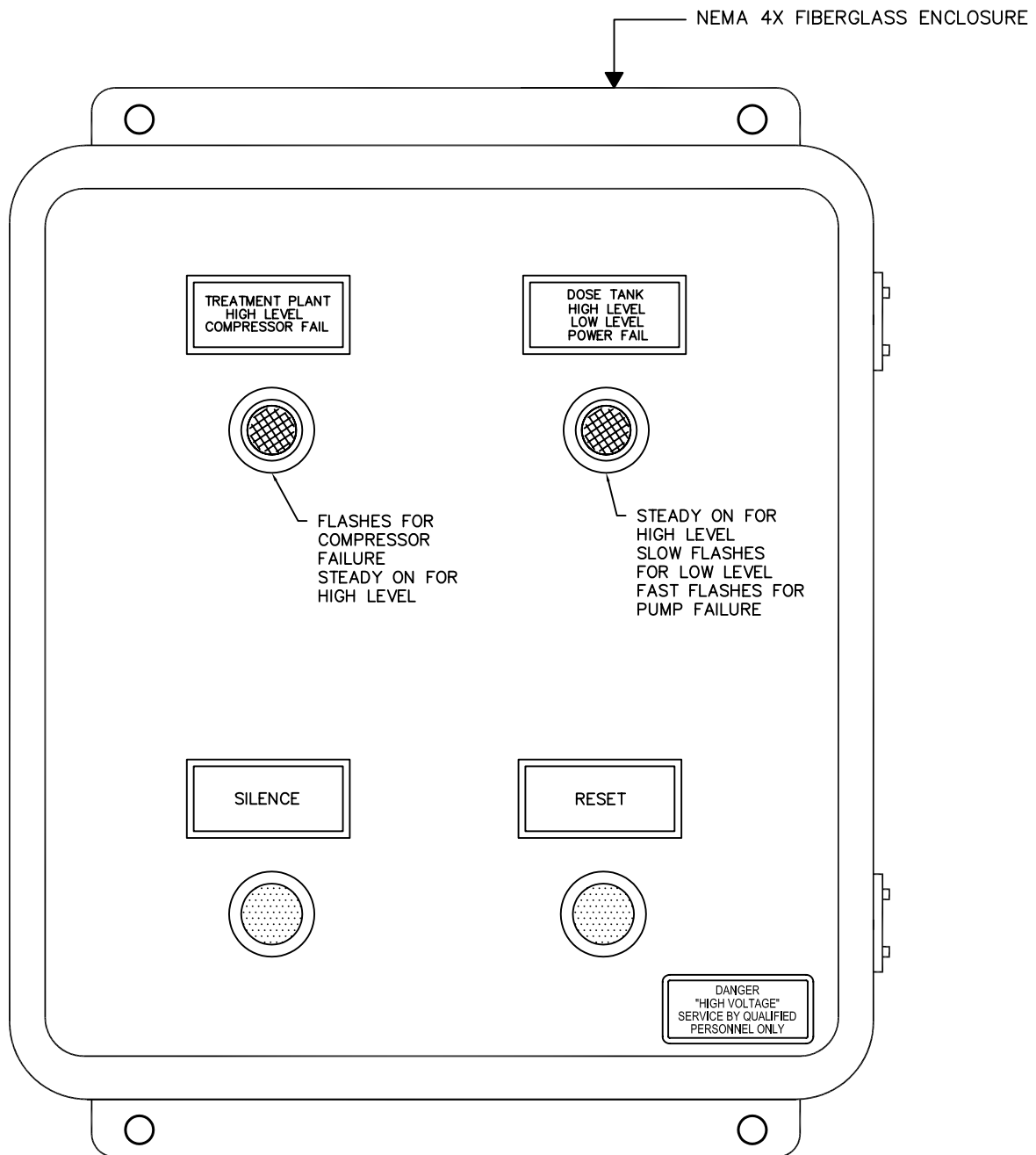
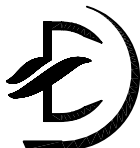


# Delta Environmental Products, Inc.

## PUMP AND COMPRESSOR CONTROL PANEL



VIEW OF FRONT OF ENCLOSURE



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

DWN BY:  
T.LEJEUNE

DATE:  
09/12/07

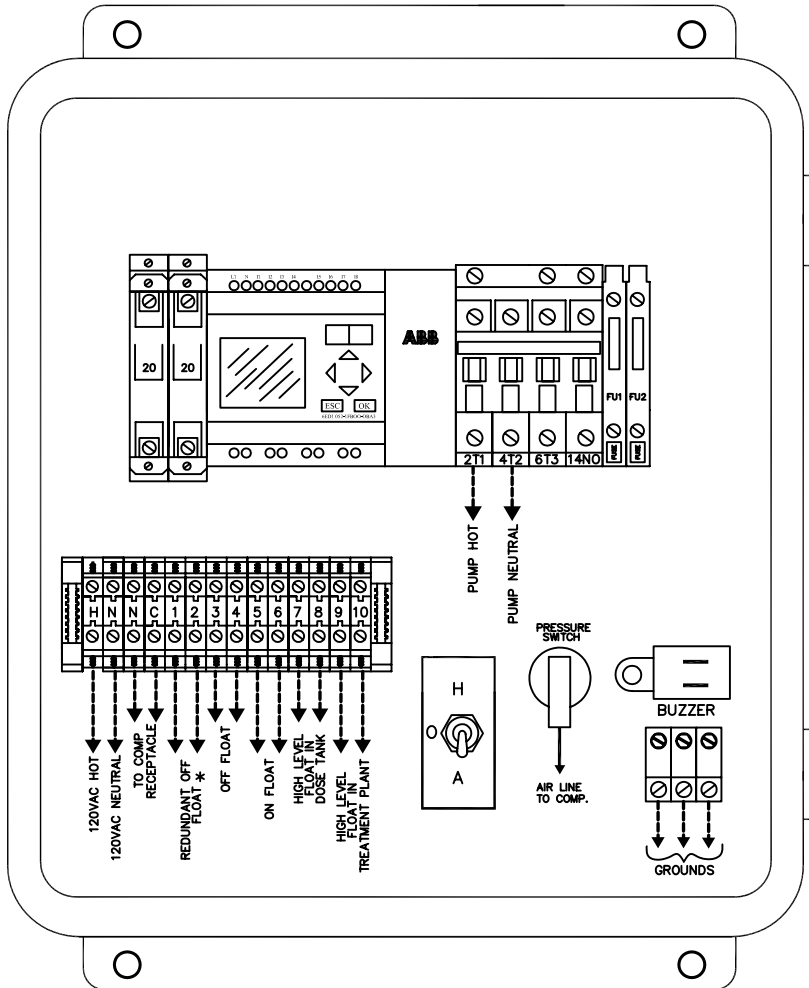
SCALE:  
N.T.S.

DWG. NO.:  
CP2056A-1

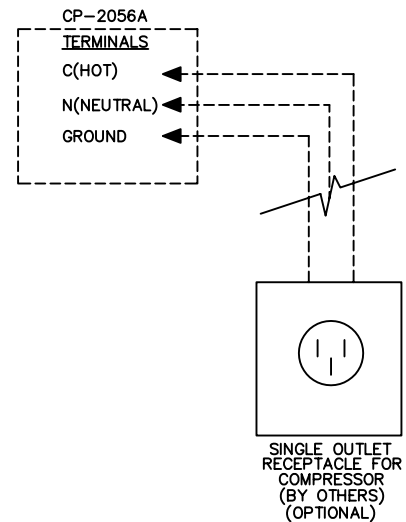
JOB NO.:  
N/A

CP2056A  
DOOR LAYOUT

# CP2056A CONTROL PANEL



VIEW OF INTERIOR OF ENCLOSURE



\* REMOVE BAR JUMPER IF REDUNDANT OFF FLOAT IS REQUIRED



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

## CP2056A EXTERNAL CONNECTIONS

DWN BY:  
T.LEJEUNE

DATE:  
09/12/07

SCALE:  
N.T.S.

DWG. NO.:  
CP2056A-2

JOB NO.:  
N/A

## OPERATION

The compressor will run continuously and is protected by fuse FU1.  
The controller is protected by fuse FU2.

The controller will alarm under the following conditions:

1. High level in treatment plant
2. High level in dose tank
3. Low level in dose tank
4. Compressor failure
5. If power has been off more than the time setting on the time delay relay TD1

The controller will lock out the dose pump under the following conditions:

1. High level in treatment plant
2. Low level in dose tank
3. If power has been off more than the time setting on the time delay relay TD1
4. Compressor failure

The reset P.B. will have to be manually pressed to reset

As the level rises in the dose tank to the level of the ON float, the pump will start. The pump will run until the level drops to the OFF float level. Adjust the power failure relay to 10 minutes (factory setting). After the power has been off for 10 minutes, the dose pump will not run until the reset button is pressed.

The pump can be operated manually by pushing the HOA switch to the H (hand) position. The switch is spring return. Do not run the pump dry. The pump can be operated manually even if the controller fails.

In RCT mode, when the level rises to the level of the float in terminals 3 & 4, the timer starts the off time. At the end of the off time, the pump will run for the on time or until the float drops.

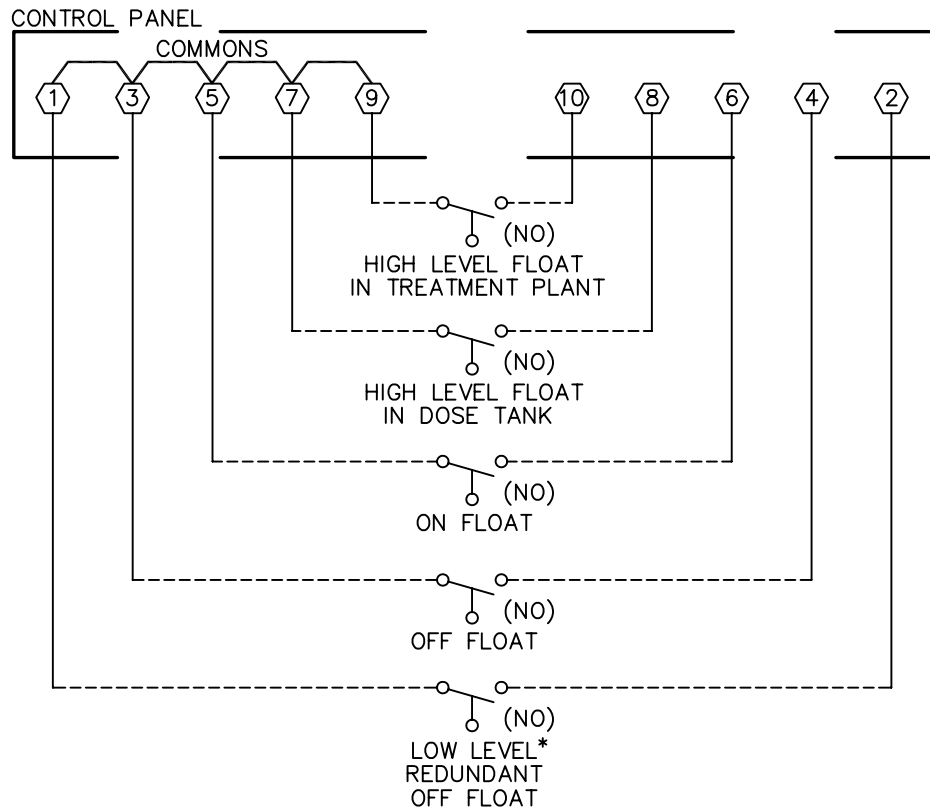
Treatment plant alarm light

1. Flashes for compressor failure
2. Steady on for high level

Dose tank alarm

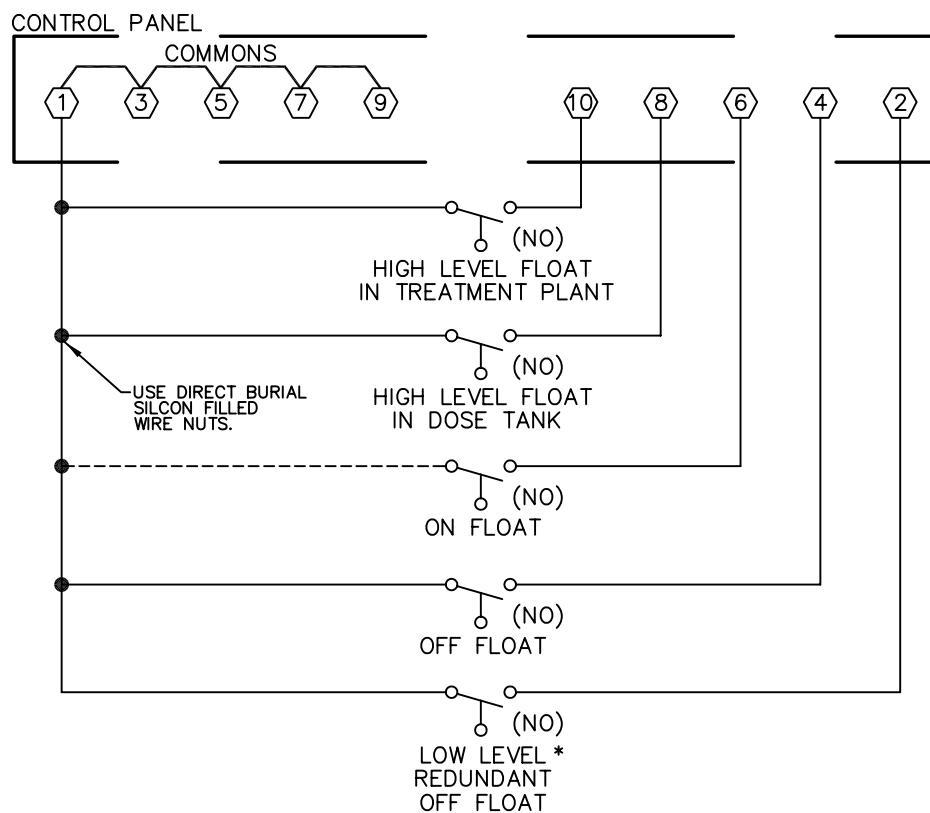
1. Steady on for high level
2. Slow flash for low level
3. Fast flash for power failure

## FLOAT ARRANGEMENT 2056 SERIES



\* IF NOT USED, ADD JUMPER BETWEEN TERMINALS 1 & 2

## ALTERNATIVE FLOAT ARRANGEMENT 2056 SERIES



\* IF NOT USED, ADD JUMPER BETWEEN TERMINALS 1 & 2

# PLC PARAMETERS

CP2056Ar5  
OBA6

<u>BLOCK</u>	<u>DESCRIPTION</u>	<u>FACTORY SETTING</u>	<u>PLC NOMENCLATURE</u>
B01	TH = Run time TL = Off time	12 Minutes 2 Hours	TH = 12:00m TL = 02:00h Ta = 00:00h (Disregard)
B02	Off time during override period	1 Hour	T = 01:00h Ta = 00:00h (Disregard)
B03	Filter flush time after pump turns on	1 Minute	T = 01:00m Ta = 01:00m (Disregard)
B04	Filter drain time after pump turns off	2 Minutes	T = 02:00m Ta = 00:00m (Disregard)
B05	Field flush time normal operation	2 Minutes	T = 02:00m Ta = 00:00m (Disregard)
B06	Field drain time after pump turns off	2 Minutes	T = 02:00m Ta = 00:00m (Disregard)
B07	Number of fields	4	B7 = 2 * STV = 000000  B7 = 1 ON = 4 OFF = 4 CNT = 0
B08	Number of cycles until 1st field flush	84	B8 = 2 * STV2 = 000000  B8 = 1 ON = 84 OFF = 84 CNT = 0
B09	Field flush time when field flush switch is pressed	1 Minute	T = 01:00m Ta = 00:00m

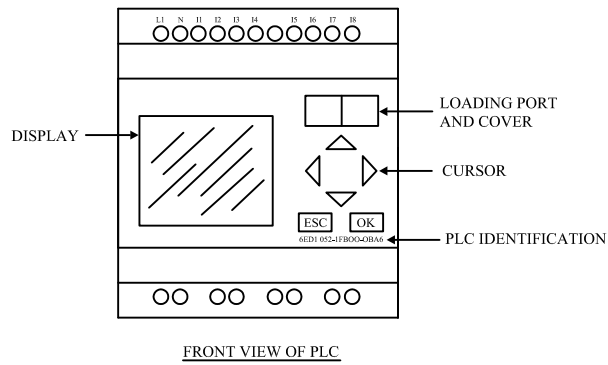
Note: Minute settings are in minutes and seconds. For example  
02:00m is 2 minutes, 02:10m is 2 minutes and 10 seconds.  
Hour settings are in hours and minutes. For example 02:00h is  
2 hours and no minutes, 02:10h is 2 hours and 10 minutes, and  
00:12h is 12 minutes.

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

- Pump run time hours
- Pump start counts
- Level override counts
- High level counts
- Switch to hand counts

**\*DISREGARD THIS SCREEN  
(PRESS UP ARROW ▲)**

## Setting the PLC



Upon power up the clock screen may not be displayed. The screen is considered the "main" screen and will be the starting point for all programming.

Press the "**DOWN**" key to scroll until the clock screen is shown.

To enter into program mode press "**ESC**" once. Arrow down to desired selection and press "**OK**".

- To set clock, arrow down to "**SET**" and press "**OK**". "**CLOCK**" will appear. Press "**OK**". "**SET CLOCK**" will then appear. Press "**OK**" again. Use "**LEFT**" and "**RIGHT**" arrow keys to maneuver around and the "**UP**" and "**DOWN**" keys to change setting. Once complete press "**OK**". To get back to main screen press "**ESC**" three times.

### EXAMPLES:

TH 10:30 = 10:30 AM THURSDAY

FR 23:15 = 11:15 PM FRIDAY

MO 13:30 = 1:30 P MONDAY

To view inputs, at the main screen (clock showing) press the "**RIGHT**" arrow key. To return to main screen press "**LEFT**" arrow key.

To view outputs, at the main screen (clock showing) press the "**RIGHT**" arrow key twice. To return to main screen press "**LEFT**" arrow key twice.