
COX

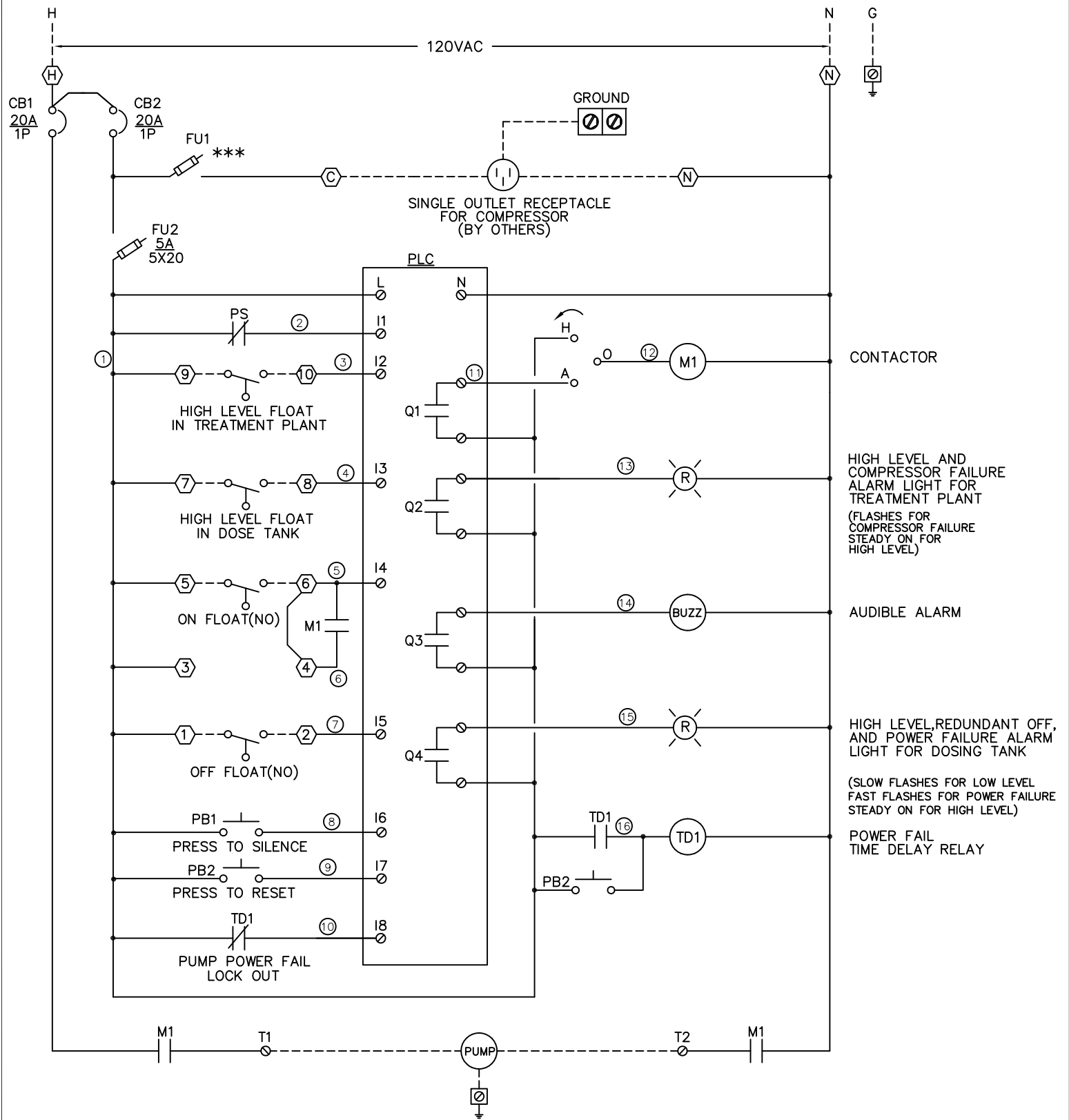
Research and Technology, Inc.

PUMP & COMPRESSOR CONTROL PANEL

2056A
RCT MODE
2/19/16

Cox Research and Technology, Inc.
14697 S. Harrells Ferry Road
Baton Rouge, LA. 70816
(225) 756-3271 Fax (225) 755-1030

CP-2056Ar5
RA SPECIAL



*** FUSE SIZE VARIES WITH COMPRESSOR SIZE PER NATIONAL ELECTRIC CODE

PROGRAM: CP2056Ar5
RA SPECIAL

DATE 2/19/16	Drawing Title POWER/CONTROL DIAGRAM	REFERENCE DRAWING S/N Sales Engineer C.C. Application Engineer R.C. DRAWN BY A.F. APPROVED BY DATE	NO. REVISION-LOCATION ECN DATE BY	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2056Ar5 RA SPECIAL SHEET NUMBER 1
Project Title	PUMP & COMPRESSOR CONTROL PANEL	<div style="text-align: center;"> COX Research and Technology, Inc. </div>	P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030	PURCHASE ORDER NUMBER DRAWING NUMBER CP-2056Ar5 RA SPECIAL SHEET NUMBER 1

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2056A
RA SPECIAL
SETTING THE PLC

PARAMETERS

B033 - RCT ON TIME (TH=12:00M)
RCT OFF TIME (TL=02:00H)

B034 - SHORT CYCLE RCT ON TIME (TH=12:00M)
SHORT CYCLE RCT OFF TIME (TH=01:00H)

B100 - ON = STOPS PUMP ON AIR COMPRESSOR FAILURE

*B100 - OFF = DOES NOT STOP PUMP

B101 - ON = STOPS PUMP ON HIGH LEVEL IN TREATMENT PLANT

*B101 - OFF = DOES NOT STOP PUMP

B102 - ON = STOPS PUMP ON LOSS OF POWER FOR 10 MINUTES

*B102 - OFF = DOES NOT STOP PUMP

WHEN B102 IS SET TO OFF, NO ALARM WILL OCCUR

B103 - ON = RCT MODE

*B104 - ON = AUTO RESET OF HLDLT ALARM

B104 - OFF = MANUAL RESET OF HLDLT ALARM

* = FACTORY SETTING

OTHER

THERE IS A 2 MINUTE DELAY ON POWER UP BEFORE PUMP WILL RUN.

LOSS OF COMPRESSOR ALARM AND SHUTDOWN FACTORY SET AT 15 SECONDS.

PUMP DELAYS 2 SECONDS WHEN CALLED TO RUN VIA FLOAT SWITCH.

PUMP STOP ON POWER FAILURE REQUIRES AUXILIARY POWER FAIL RELAY WIRED TO 18

PUMP ETM AND START COUNTS ARE "CALL FOR" SIGNALS IN AUTO MODE.

THIS SHOULD ACCOUNT FOR 99% OF ALL RUN TIME AND COUNTS.

OPERATION :

1. RCT STARTS IN ON MODE WHEN ON FLOAT IS UP. PUMP WILL STOP WHEN ON FLOAT IS DOWN AND OFF FLOAT DROPS.
2. TO OPERATE IN DEMAND MODE, SET B033 & B034 TO LONG ON TIMES.