
COX

Research and Technology, Inc.

DUPLEX BLOWER
CONTROL PANEL
McINTOSH, ALABAMA

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

CP-1770

VOLTAGE	<hr/> <hr/> <hr/>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<hr/> <hr/> <hr/>	
NO. MOTORS	<hr/> <hr/> <hr/>	
HP	<hr/> <hr/> <hr/>	
FLA	<hr/> <hr/> <hr/>	
TYPE OF PUMP	<hr/> <hr/> <hr/>	Blower
MANUFACTURER	<hr/> <hr/> <hr/>	(Self-Priming, Submersible)
CATALOG NUMBER	<hr/> <hr/> <hr/>	
CONTROL VOLTAGE	<hr/> <hr/> <hr/>	120V
ENCLOSURE	<hr/> <hr/> <hr/>	NEMA 4X
ENCLOSURE MATERIAL	<hr/> <hr/> <hr/>	Stainless Steel
CONTROL SENSOR	<hr/> <hr/> <hr/>	(Painted Steel, Stainless Steel, Fiberglass)
CAPACITORS	<hr/> <hr/> <hr/>	(Floats, Bubbler, Other)
CAPACITOR WIRING FIGURE	<hr/> <hr/> <hr/>	(Yes, No)
THERM. & SEAL FAIL WIRING FIGURE	<hr/> <hr/> <hr/>	

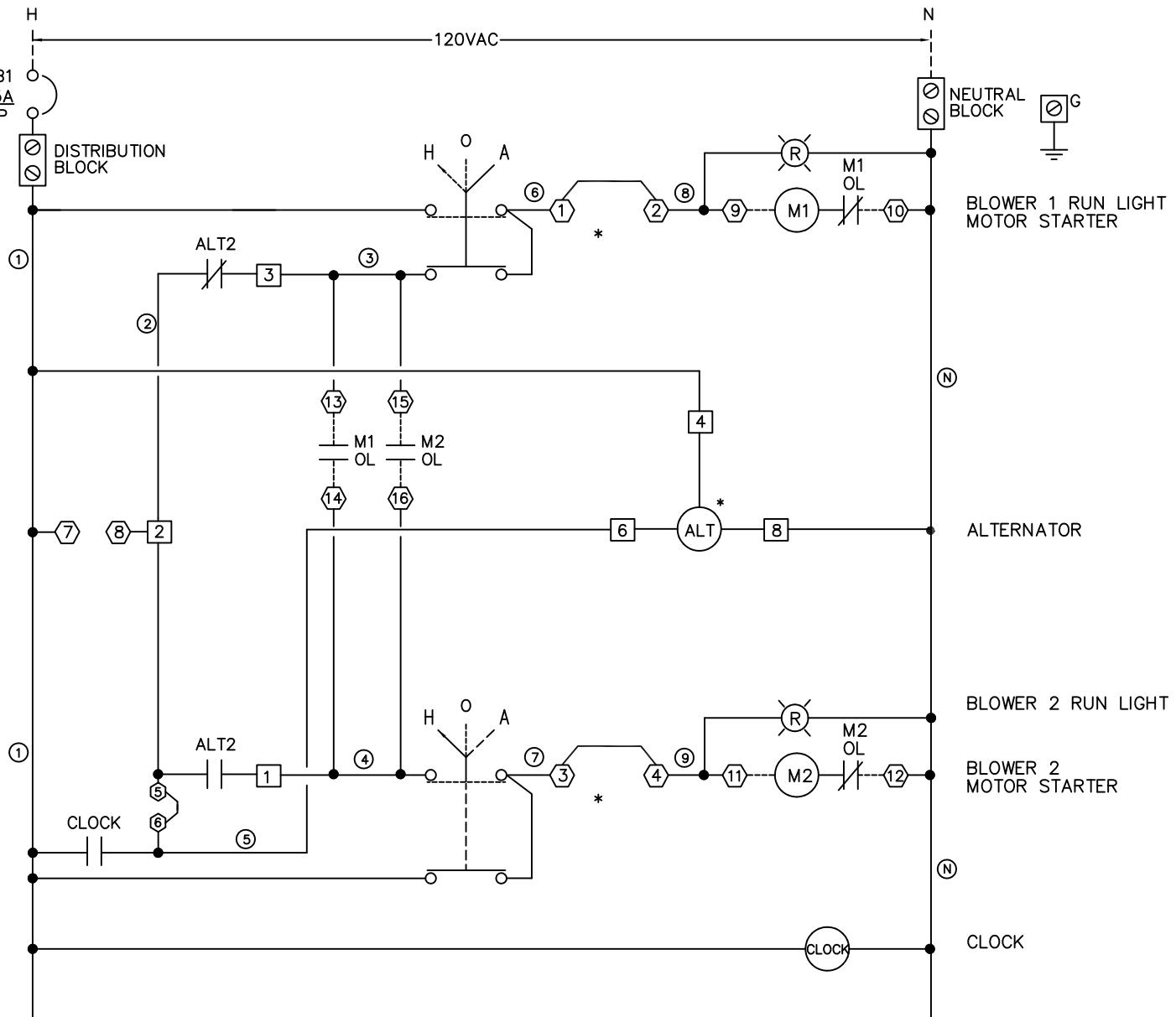
OPTIONS:

SEAL FAIL LIGHTS	<hr/> <hr/> <hr/>	(Submersible Only)
SEAL FAIL RELAYS	<hr/> <hr/> <hr/>	(Submersible Only)
SEAL FAIL PUMP SHUTDOWN	<hr/> <hr/> <hr/>	(Submersible Only)
HT PUMP SHUTDOWN	<hr/> <hr/> <hr/>	(Self-Primer, Submersible)
ALARM HORN	<hr/> <hr/> <hr/>	
ALARM LIGHT	<hr/> <hr/> <hr/>	
LIGHT PANEL MTD	<hr/> <hr/> <hr/>	
LIGHT REMOTE MTD	<hr/> <hr/> <hr/>	
LIGHT FLASHER	<hr/> <hr/> <hr/>	
LIGHTNING ARRESTER	<hr/> <hr/> <hr/>	X
ELAPSED TIME METER	<hr/> <hr/> <hr/>	
PHASE MONITOR	<hr/> <hr/> <hr/>	
NEMA RATED STARTERS	<hr/> <hr/> <hr/>	
GROUND FAULT RECPT.	<hr/> <hr/> <hr/>	
GREEN RUN LIGHTS VS. RED	<hr/> <hr/> <hr/>	
POLE, BOX, SEAL	<hr/> <hr/> <hr/>	
INTRINSICALLY SAFE RELAYS	<hr/> <hr/> <hr/>	
HIGH TEMP. LOCKOUT, MANUAL RESET	<hr/> <hr/> <hr/>	
ECONOMY VERSION	<hr/> <hr/> <hr/>	

SOLD TO: Delta Process
TAG : McIntosh, Alabama

SHIP TO: Delta Process - Ruston, LA

	Drawing Title							
	PANEL DESCRIPTION							
			REFERENCE DRAWING	NO.	REVISION-LOCATION		ECN	DATE BY
S/N	Sales Engineer	Application Engineer			DRAWN		APPROVED	
	C.C.	R.C.	BY	C. RACHAL	BY	DATE		
DATE 3/10/04	Project Title	<u>DUPLEX BLOWER</u> <u>CONTROL PANEL</u>		<u>COX</u> Research and Technology, Inc.		P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER	
						Ph. (225)756-3271 Fax (225)756-1030	DRAWING NUMBER CP-1770	
							SHEET NUMBER 1	



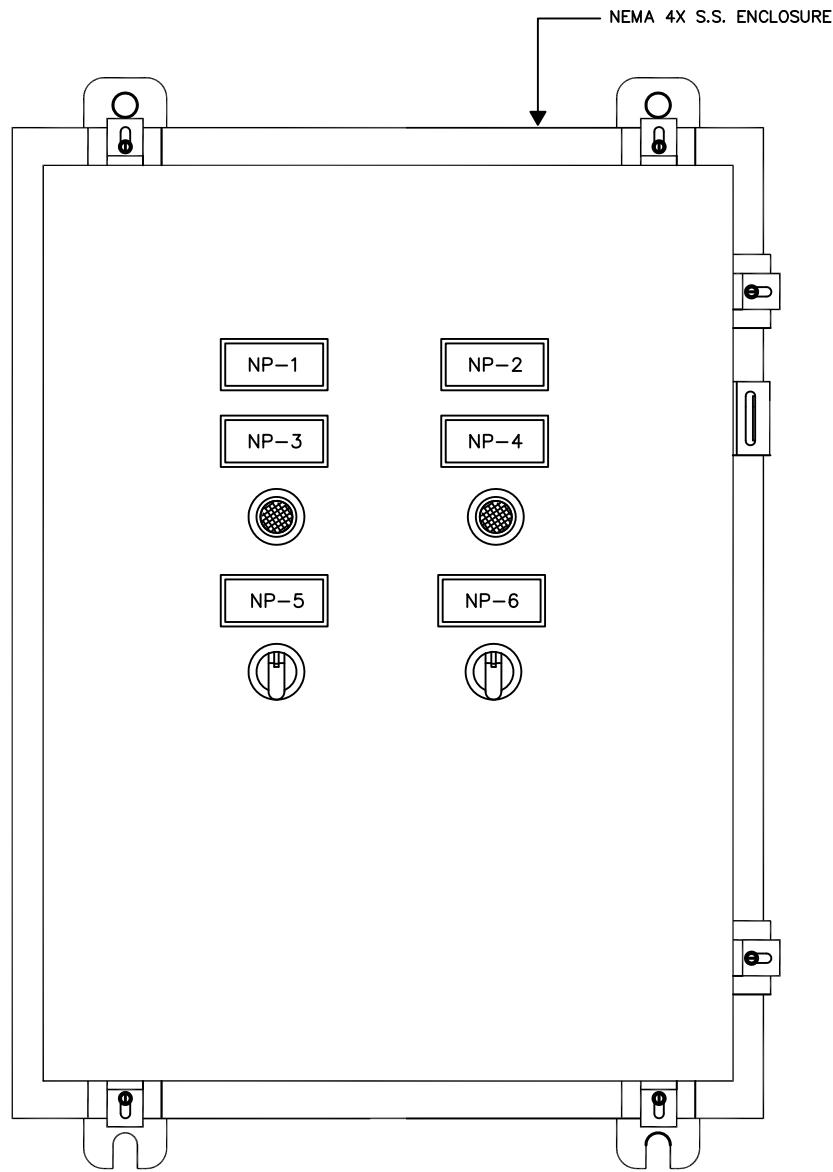
* DIVERSIFIED ALTERNATOR

PANEL IS DESIGNED TO RUN AERATORS WITH A MINIMUM OF 15 MINUTES OF OFF TIME BETWEEN ALTERNATION. PINS PUSHED IN ON CLOCK INDICATE RUN TIME. PINS PUSHED OUT INDICATE OFF TIME. EACH PIN IS EQUAL TO 15 MINUTES.

IF NO OFF TIME IS REQUIRED BETWEEN ALTERNATION, REMOVE JUMPER FROM TERMINALS ⑤ AND ⑥. PLACE JUMPER ACROSS TERMINALS ⑦ AND ⑧. NOW AERATORS WILL RUN CONTINUOUSLY. SET 1 PIN OUT AT THE TIME YOU WISH THE AERATORS TO ALTERNATE. ALL REMAINING PINS SHOULD BE PUSHED IN.

* REMOVE JUMPERS AND INSTALL LOCKOUT DEVICES IF REQUIRED

	Drawing Title											
	CONTROL DIAGRAM											
DATE 03/1004	REFERENCE DRAWING		NO.		REVISION-LOCATION		ECN		DATE BY			
	S/N	Sales Engineer	Application Engineer	R.C.	DRAWN		APPROVED		BY DATE			
	Project Title			COX			P.O. Box 77808 Baton Rouge, LA 70809		PURCHASE ORDER NUMBER			
	DUPLEX BLOWER CONTROL PANEL			Research and Technology, Inc.			DRAWING NUMBER CP-1770		SHEET NUMBER			
									2			



VIEW OF FRONT COVER

NAMEPLATE SCHEDULE

NP-1	BLOWER 1
NP-2	BLOWER 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

NOTE:

SEWER GASSES WILL DESTROY COMPONENTS IN PANEL.
PROPER SEALS MUST BE INSTALLED EXTERNAL TO THE
PANEL TO PREVENT ENTRY OF GASSES.

	Drawing Title						
	ENCLOSURE						
DATE 3/10/04	REFERENCE DRAWING S/N	NO. C.C.	REVISION-LOCATION Application Engineer R.C.	ECN DRAWN BY C. RACHAL	DATE APPROVED BY DATE	BY	
	Project Title DUPLEX BLOWER CONTROL PANEL			P.O. Box 77808 Baton Rouge, LA 70809	PURCHASE ORDER NUMBER DRAWING NUMBER CP-1770 SHEET NUMBER 3		
	COX Research and Technology, Inc.			Ph. (225)756-3271 Fax (225)756-1030			

BILL OF MATERIAL

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	ADALET	JN4XHSS161608	ENCLOSURE
2	1	ADALET	16P16	BACKPLATE
3	2	A-B	800H-JR2A	H.O.A. SWITCH
4	1	DIVERSIFIED	ARB-120-ADA	ALTERNATING RELAY
5	1	DIEHL	TA-4152	TIMER W/BATT. BACKUP
6	2	A-B	800H-QR10R	RED PILOT LIGHT
7	1	SQUARE D	QOU115	CB1
8	2	MARATHON	1321580	DISTRIBUTION BLOCK
9				
10				
11				

	Drawing Title							
	BILL OF MATERIALS							
DATE 3/10/04	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY	
	S/N	Sales Engineer	Application Engineer	DRAWN		APPROVED		
			C.C.	R.C.	BY C. RACHAL	BY	DATE	
	Project Title		COX		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)756-1030	PURCHASE ORDER NUMBER		
	DUPLEX BLOWER CONTROL PANEL		Research and Technology, Inc.			DRAWING NUMBER CP-1770		
						SHEET NUMBER 4		