
COX

Research and Technology, Inc.

DUPLEX PUMP
CONTROL PANEL
ATES CONSTRUCTION

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

CP-2111

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	3/60	
NO. MOTORS	2	
HP	15	
FLA	41	
TYPE OF PUMP	End Suction Water Booster	(Self-Priming, Submersible)
MANUFACTURER	Gould	
CATALOG NUMBER		

CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Telemetry, Pressure Switches	(Floats, Bubbler, Other)
CAPACITORS	No	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

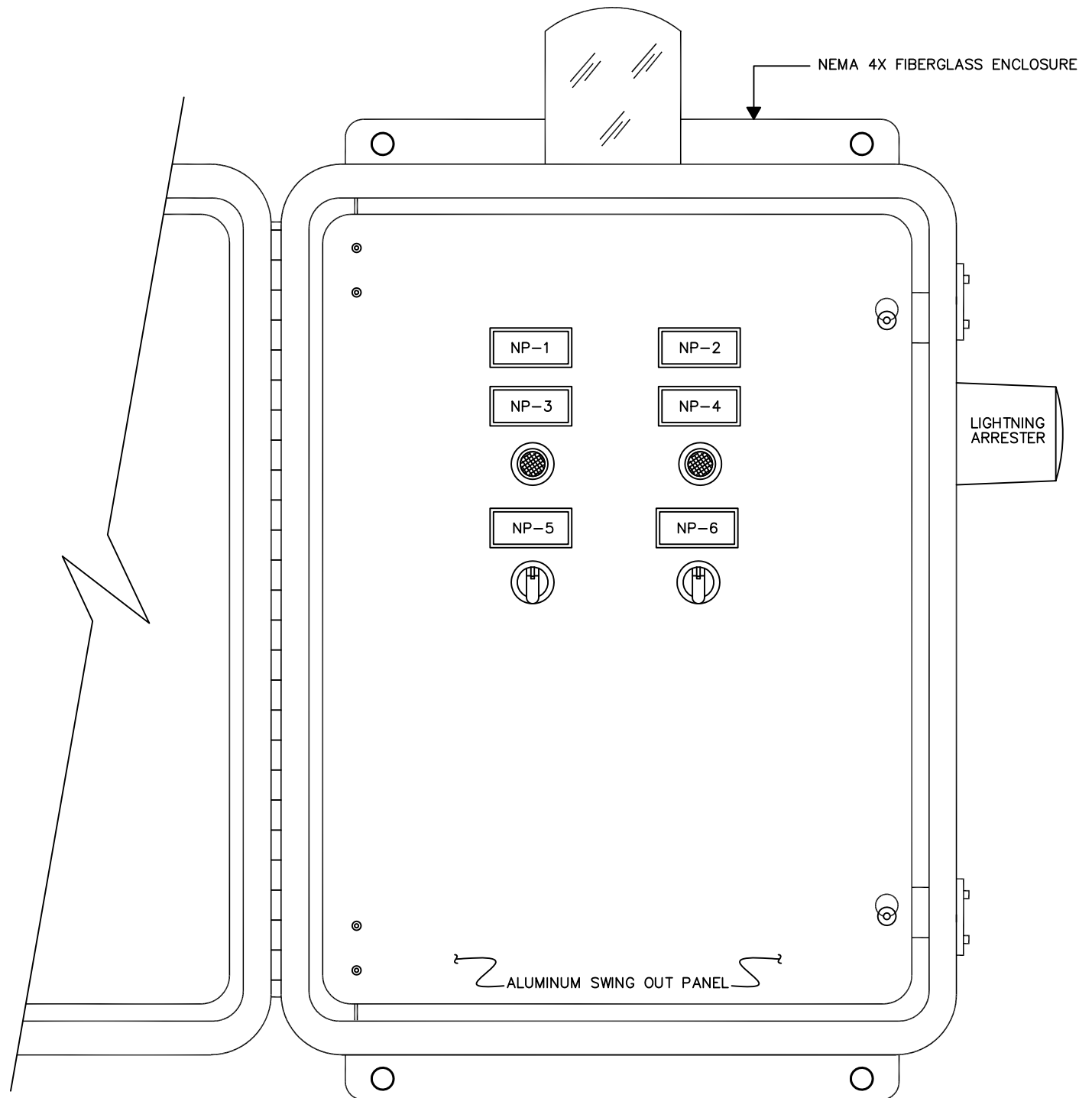
SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN		(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER	X	
ELAPSED TIME METER		
PHASE MONITOR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

SOLD TO: Delta Process - Ruston, LA
TAG : ATES CONSTRUCTION

SHIP TO: Delta Process - Ruston, LA

	Drawing Title						
	PANEL DESCRIPTION						
DATE		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
7/14/05		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY C. RACHAL	APPROVED BY	DATE
	Project Title	<div>COX</div> <div>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-2111 SHEET NUMBER 1
	DUPLEX PUMP CONTROL PANEL						





VIEW OF SWING OUT PANEL

NAMEPLATE SCHEDULE

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

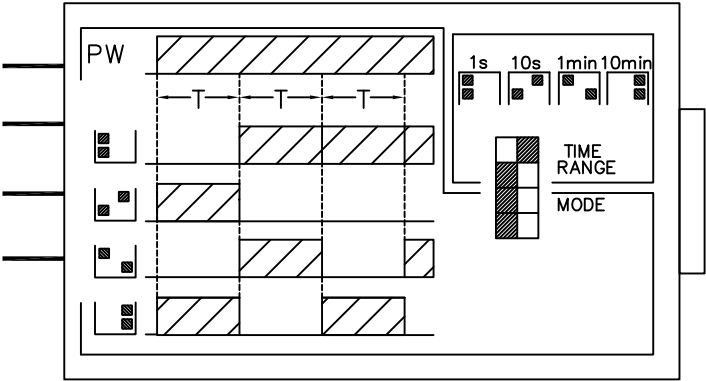
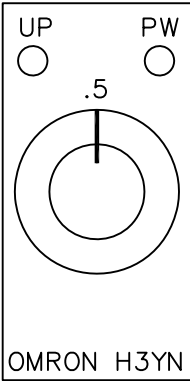
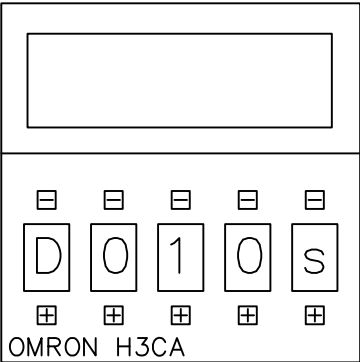
NP-1	PUMP 1
NP-2	PUMP 2
NP-3	RUN
NP-4	RUN
NP-5	HOA
NP-6	HOA

	Drawing Title									
	ENCLOSURE									
DATE	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY		
7/14/05	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN		APPROVED				
				BY C. RACHAL		BY	DATE			
	Project Title		<div>COX</div> <div>Research and Technology, Inc.</div>			PURCHASE ORDER NUMBER				
	DUPLEX PUMP CONTROL PANEL					P.O. Box 77808 Baton Rouge, LA 70809			DRAWING NUMBER CP-2111	
Ph. (225)756-3271 Fax (225)755-1030						SHEET NUMBER				
						3				

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	STAHLIN	RJ1816HPLDF	ENCLOSURE
1a	1	STAHLIN	BP1816AL	BACKPLATE
2	1	MARATHON	1323580	DISTRIBUTION BLOCK
3	2	ABB	A50-30-11-84	MOTOR STARTER
4	2	ABB	TA75DU52	O.L. RELAY (36-52A)
5	2	SQUARE D	QOU390	CB1, CB2
6	1	SQUARE D	QOU120	CB3
7	1	TIMEMARK	261DT120	ALTERNATING RELAY
8	2	ACI	JR22FR	RED PILOT LIGHT
9	2	ACI	JR22P3M20B	HOA SWITCH
10	1	AC/DC	BL5-R-120	ALARM LIGHT
11	1	DELTA	LA603	LIGHTNING ARRESTER
12	1	SSAC	PLMU-11	PHASE MONITOR
13	1	OMRON	H3CA-A	TIME DELAY 2
14	2	OMRON	RV25-V	CR1, CR2
15	1	OMRON	H3YN-2	TIME DELAY 1
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

	Drawing Title						
	BILL OF MATERIALS						
DATE 7/14/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	DRAWN BY C. RACHAL	ECN	DATE BY
		<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 100px;"> COX <small>Research and Technology, Inc.</small> </div>		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030		PURCHASE ORDER NUMBER DRAWING NUMBER CP-2111 SHEET NUMBER <div style="text-align: right;">4</div>	
	Project Title	DUPLEX PUMP CONTROL PANEL					



	Drawing Title TIME DELAY SETTINGS						
DATE 7/14/05		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C.	ECN	DATE	BY
				BY C. RACHAL		APPROVED	
	Project Title DUPLEX PUMP CONTROL PANEL	<div>COX</div> Research and Technology, Inc.			PURCHASE ORDER NUMBER		
					DRAWING NUMBER CP-2111		
					SHEET NUMBER 5		
		P.O. Box 77808 Baton Rouge, LA 70809 Ph. (225)756-3271 Fax (225)755-1030					