

PARSON & SANDERSON, INC.

PANEL SPSP
SLUDGE PUMP SELECTOR PANEL
CITY OF LAKE CHARLES
PLANT D

PARSON & SANDERSON, INC.
P.O. BOX 958
METAIRIE, LA 70004
(504) 733-1330 Fax (504) 736-9348

CP-1741

VOLTAGE	<hr/>	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	<hr/>	
NO. MOTORS	<hr/>	
HP	<hr/>	
FLA	<hr/>	
TYPE OF PUMP	<hr/>	(Self-Priming, Submersible)
MANUFACTURER	<hr/>	
CATALOG NUMBER	<hr/>	
CONTROL VOLTAGE	<hr/>	120V (120V, Other)
ENCLOSURE	<hr/>	NEMA 4X (NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	<hr/>	SS (Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	<hr/>	(Floats, Bubbler, Other)
CAPACITORS	<hr/>	(Yes, No)
CAPACITOR WIRING FIGURE	<hr/>	No
THERM. & SEAL FAIL WIRING FIGURE	<hr/>	N/A

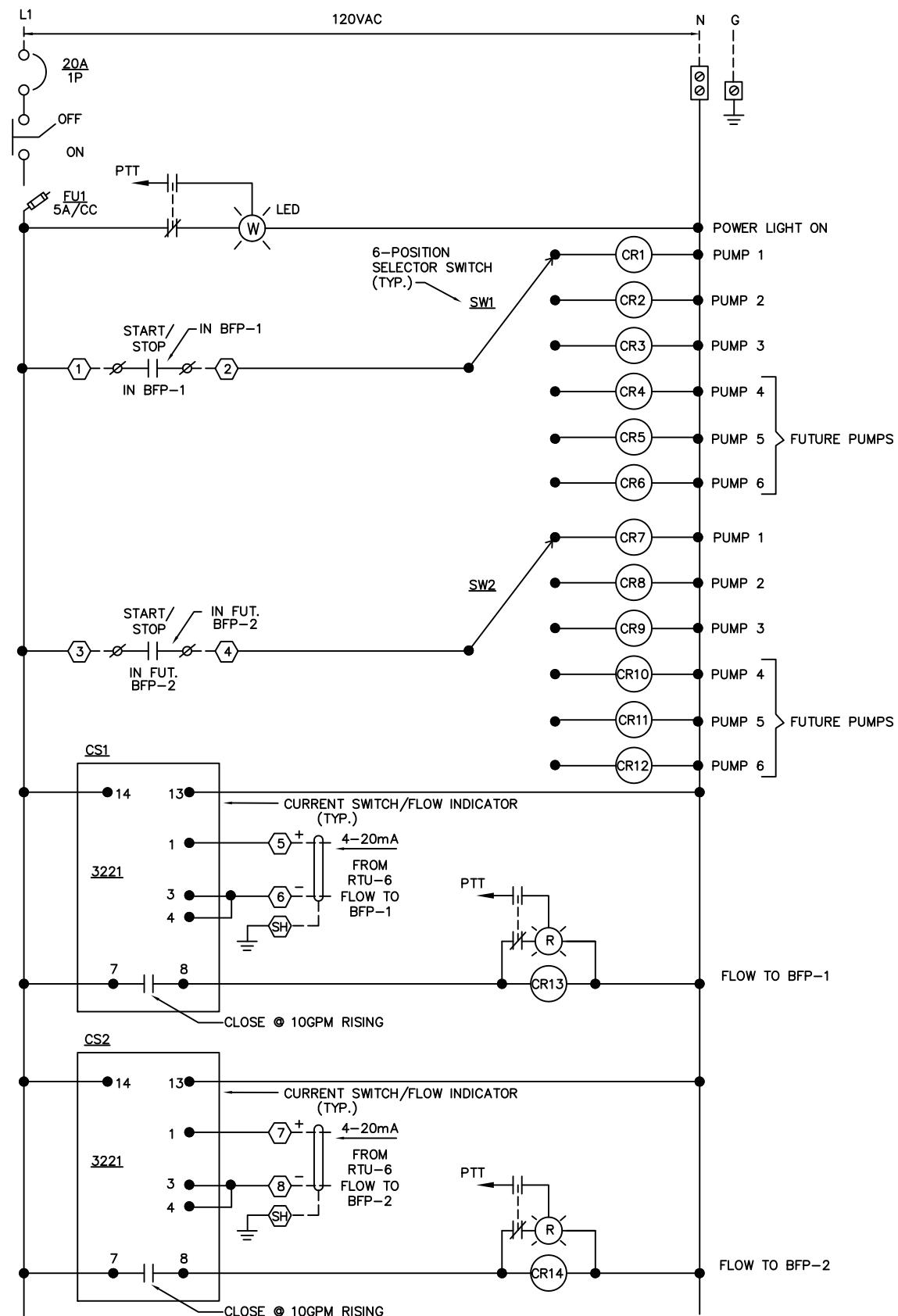
OPTIONS:

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	_____	
LIGHT PANEL MTD	_____	
LIGHT REMOTE MTD	_____	
LIGHT FLASHER	_____	
LIGHTNING ARRESTER	_____	
ELAPSED TIME METER	_____	
PHASE MONITOR	_____	
NEMA RATED STARTERS	_____	
GROUND FAULT RECPT.	_____	
GREEN RUN LIGHTS VS. RED	_____	
POLE, BOX, SEAL	_____	
INTRINSICALLY SAFE RELAYS	_____	
HIGH TEMP. LOCKOUT, MANUAL RESET	_____	
ECONOMY VERSION	_____	

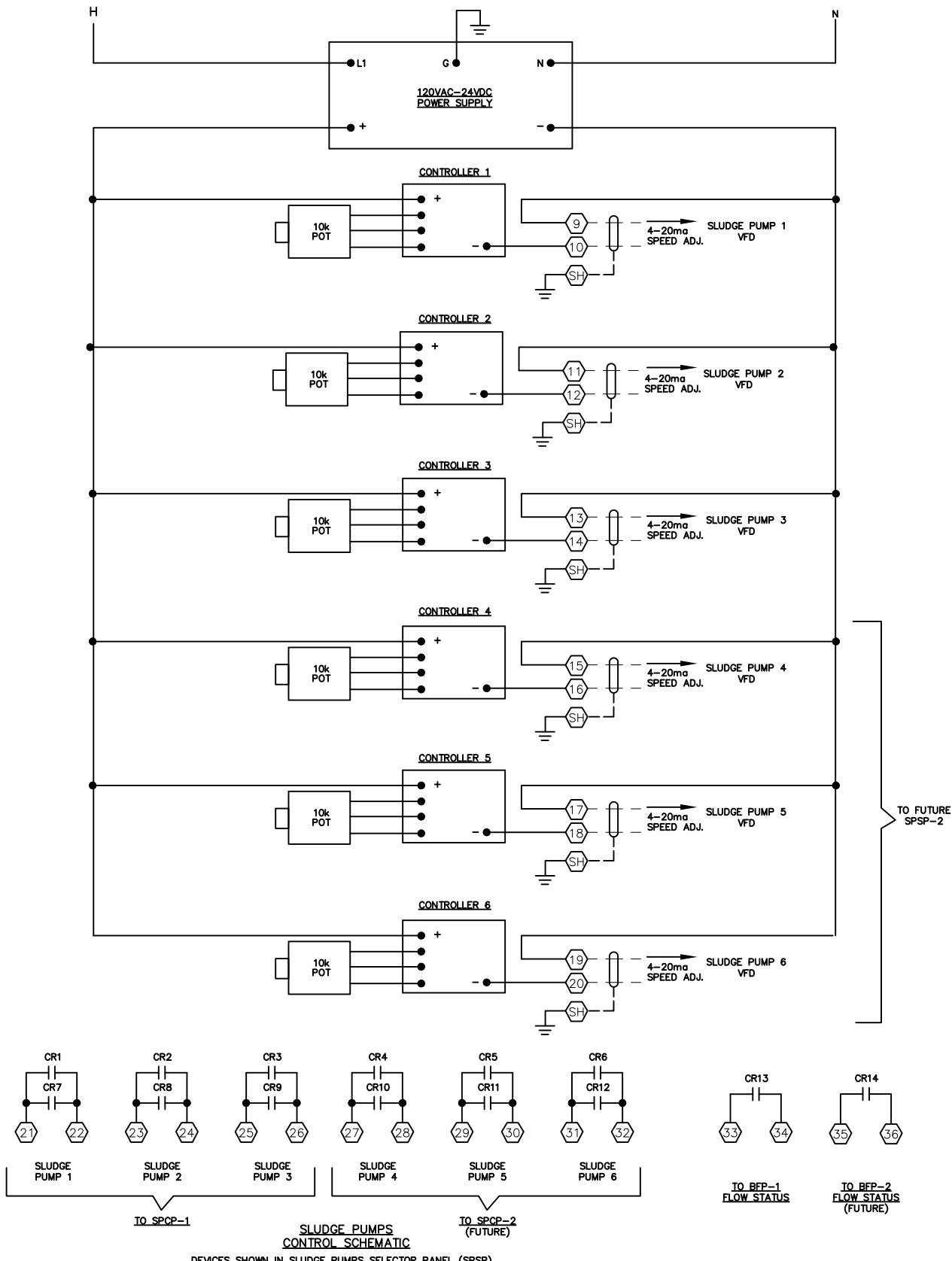
SOLD TO: Parson & Sanderson
TAG : Lake Charles WWTP Plant D
Sludge Pump Selector Panel

SHIP TO: Lake Charles WWTP Plant D

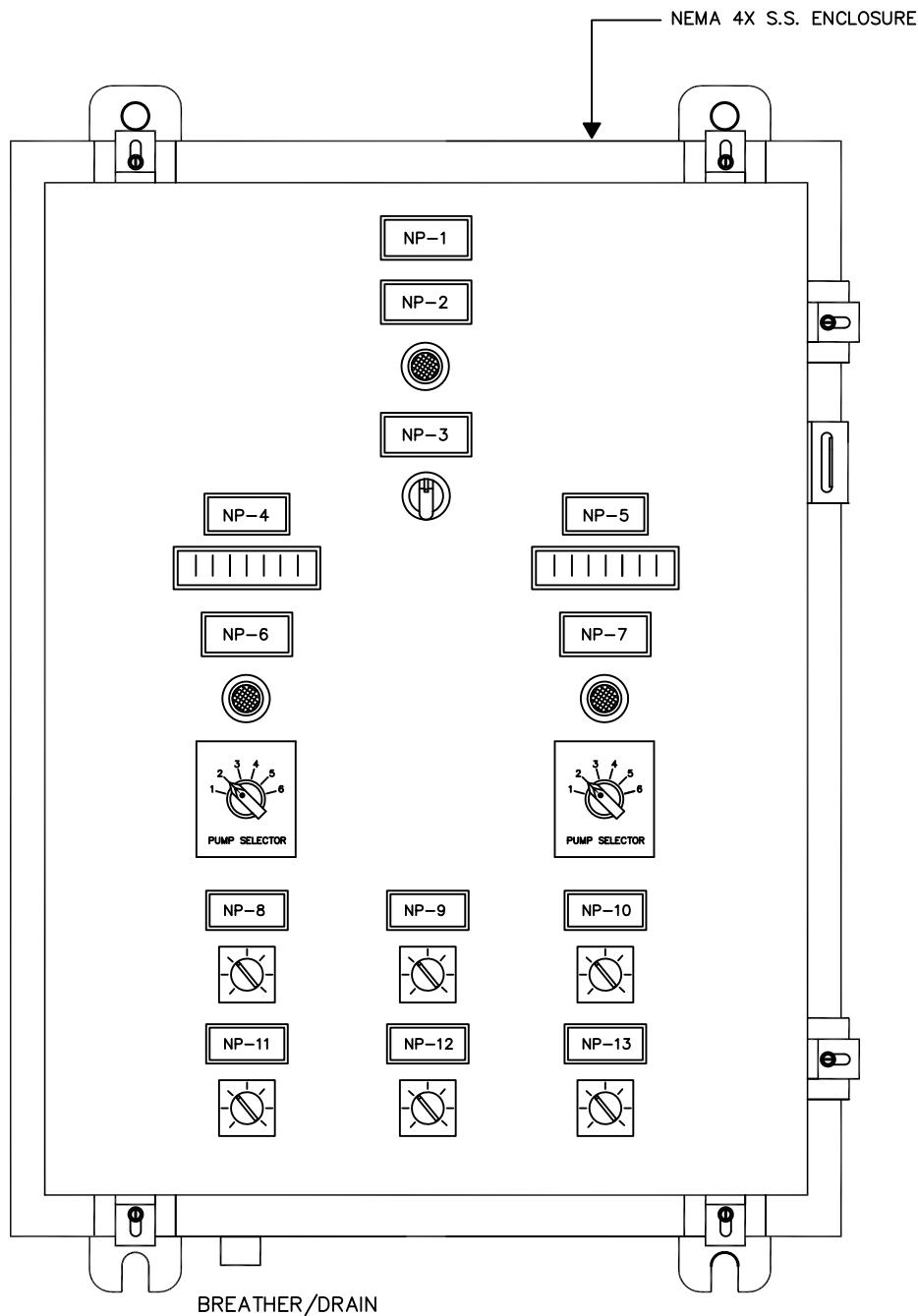
	Drawing Title PANEL DESCRIPTION						
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE	BY
DATE 02/10/04		S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY CTR	APPROVED BY	DATE
	Project Title SLUDGE PUMP SELECTOR PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER	
						DRAWING NUMBER CP-1741	
						SHEET NUMBER 1	



	Drawing Title					
	POWER DIAGRAM					
DATE 02/10/04		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C. DRAWN BY CTR	ECN	DATE APPROVED BY DATE
	Project Title SLUDGE PUMP SELECTOR PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348		PURCHASE ORDER NUMBER		
				DRAWING NUMBER CP-1741		
				SHEET NUMBER 2		



	Drawing Title CONTROL DIAGRAM				
		REFERENCE DRAWING S/N	NO. Sales Engineer C.C.	REVISION-LOCATION Application Engineer R.C. DRAWN BY CTR	ECN DATE APPROVED BY DATE
DATE 02/10/04	Project Title SLUDGE PUMP SELECTOR PANEL	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348		PURCHASE ORDER NUMBER	
				DRAWING NUMBER CP-1741	
				SHEET NUMBER 3	



NAMEPLATE SCHEDULE

NP-1	SLUDGE PUMP SELECTOR PANEL/ SPSP
NP-2	POWER ON
NP-3	OFF-ON
NP-4	BELT FILTER PRESS 1
NP-5	BELT FILTER PRESS 2
NP-6	SLUDGE FLOW
NP-7	SLUDGE FLOW
NP-8	SLUDGE PUMP 1/SPEED ADJUST
NP-9	SLUDGE PUMP 2 / SPEED ADJUST
NP-10	SLUDGE PUMP 3/SPEED ADJUST
NP-11	SLUDGE PUMP 4 / SPEED ADJUST
NP-12	SLUDGE PUMP 5/SPEED ADJUST
NP-13	SLUDGE PUMP 6 / SPEED ADJUST

VIEW OF FRONT OF ENCLOSURE

NOTE:

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

	Drawing Title					
	ENCLOSURE					
		REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 02/10/04	S/N	Sales Engineer	Application Engineer	DRAWN BY CTR	APPROVED BY DATE	
	C.C.	R.C.				
	Project Title	PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348				PURCHASE ORDER NUMBER
	SLUDGE PUMP SELECTOR PANEL					DRAWING NUMBER CP-1741
						SHEET NUMBER 4

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	EBE	S242010N4X	ENCLOSURE
1a	1	EBE	A242010P	BACKPLATE
2	1	SQUARE D	QOU120	CB1
3	1	A-B	800H-HR2D1	OFF/ON SWITCH
4	2	A-B	800H-QRT10R	PTT RED PILOT LIGHT
5	1	CROUSE HINDS	ECD18	BREATHER/DRAIN
6	1	ZERUST		CORROSION INHIBITOR
7	1	A-B	800H-QRT10W	WHITE PTT PILOT LIGHT
8	2	IDECK	ACSNO-363-YB-C-3013	6 POS. SELECTOR SWITCH
9	6	J-H TECHNOLOGY	10KPOT-4-20ma	CONTROLLER 1-6
10	6	A-B	800H-UR29	10K POT
11	6	A-B	800H-W081	POT. LEGEND PLATE
12	1	SIEMENS	6EP1331-1SH02	POWER SUPPLY
13	14	OMRON	LY2NAC120	CR1-14
14	2	DIGITECH	3221	FLOW INDICATOR
15				
16				
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18				
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24				
25				

	Drawing Title							
	BILL OF MATERIALS							
			REFERENCE DRAWING		NO.	REVISION-LOCATION	ECN	DATE
DATE 02/10/04			S/N	Sales Engineer	Application Engineer	DRAWN	BY	APPROVED
				C.C.	R.C.	BY CTR	BY	DATE
	Project Title		PARSON & SANDERSON, INC. P.O. BOX 958 METAIRIE, LA 70004 (504) 733-1330 Fax (504) 736-9348			PURCHASE ORDER NUMBER		
	SLUDGE PUMP SELECTOR PANEL					DRAWING NUMBER CP-1741		
						SHEET NUMBER 5		

FACTORY SETTINGS

SET TO READ FLOW: 0-200GPM
DETECT FLOW AT 10GPM

3221: dECPO = 1999.9
InPLO = 4.0
InPHI = 20.0
dSPLO = 0.0
dSPHI = 200.0
tyPE = AL HI
rELAy = nO
HySt = 1.0
alarm setpoint = 10.0