

PARALLEL SENSORLESS PUMP CONTROLLER (PSPC) | SUBMITTAL

File No: 90.650
 Date: JUNE 07, 2013
 Supersedes: 90.650
 Date: APRIL 19, 2013

Job: _____ Representative: _____
 _____ Ordered by: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

CONTROLLER CONFIGURATION

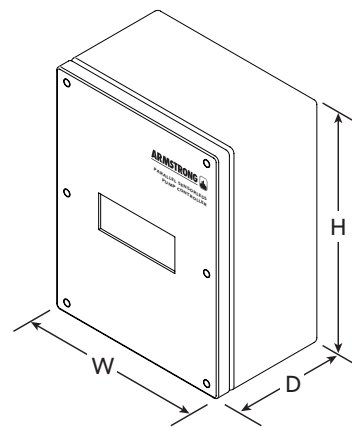
Number of pumps being controlled: _____ (specify 2 to 4)

One pumping unit standby only: Yes No

Integrated on pumping unit: Yes No

PARALLEL SENSORLESS PUMP CONTROLLER VARIANT

DESIGNATION	BMS SERIAL COMMUNICATION	PART NUMBER
PSPC-N	None	710000-000
PSPC-B	BACnet	710000-001
PSPC-L	LonWorks	710000-002
PSPC-M	Modbus	710000-003



DIMENSIONS AND WEIGHTS

WIDTH	HEIGHT	DEPTH	WEIGHT
5.00 (127)	6.50 (165)	3.15 (80)	3 (1.4)

Dimensions in inches (mm) Weights are in lbs (kg)

DATA AVAILABLE ON CONTROLLER KEYPAD

System status

- Total system flow
- System head
- Total pumping power
- Pump speed
- Pump run status
- Alarm
- Wire to water efficiency (calculated)
- Number of pumps running
- Lead pump number

Individual pump status

- Speed (Hz)
- Speed (RPM)
- Operating hours
- Fault number
- Current (A)
- Volt (VAC)
- Power (kW)
- Head
- Flow

POWER SUPPLY

From each pump IVS 102 control

STANDARD FUNCTIONALITY AND CONSTRUCTION

- 4 row x 20 character LCD and keypad interface
- On-screen menu driven operator interface
- Remote or local start/stop mode of operation
- Three level (factory and field) password protection
- Fault memory and alarm history
- Automatic pump lead rotation (includes standby)
- Two standard alarms: **1** pump and IVS 102, overload, failure
2 any system failure
- Output for remote alarm signal
- Embedded logic to stage pumps for best efficiency and to optimize system energy usage

TORONTO

23 BERTRAND AVENUE
TORONTO, ONTARIO
CANADA
M1L 2P3
+1 416 755 2291

BUFFALO

93 EAST AVENUE
NORTH TONAWANDA, NEW YORK
U.S.A.
14120-6594
+1 716 693 8813

BIRMINGHAM

HEYWOOD WHARF, MUCKLOW HILL
HALESOWEN, WEST MIDLANDS
UNITED KINGDOM
B62 8DJ
+44 (0) 8444 145 145

MANCHESTER

WENLOCK WAY
MANCHESTER
UNITED KINGDOM
M12 5JL
+44 (0) 8444 145 145

BANGALORE

#59, FIRST FLOOR, 3RD MAIN
MARGOSA ROAD, MALLESWARAM
BANGALORE, INDIA
560 003
+91 (0) 80 4906 3555

SHANGHAI

NO. 1619 HU HANG ROAD, XI DU TOWNSHIP
FENG XIAN DISTRICT, SHANGHAI
P.R.C.
201401
+86 21 3756 6696

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ENERGY
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