



Pulsar Zenith140—רשימת פרמטרים חשובים

APPLICATION

Operation

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P100 | Mode | 1 = Dist. | | | | | |
| P101 | Xducer | 2 = dB6 | | | | | |
| P102 | Material | 1= Liquid | | | | | |
| P103 | Input 2 | 0 = None | | | | | |

Distances

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P104 | Measurement Units | 1=metres | | | | | |
| P105 | Empty Level | 6.000 metres | | | | | |
| P106 | Span | 5.700 metres | | | | | |
| P107 | Near Blanking | 0.300 metres | | | | | |
| P108 | Far Blanking | 20.0% | | | | | |

RELAYS

Relay 1

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P210 | R1 Type | 0 = Off | | | | | |
| P211 | R1 Function | 0 = Off | | | | | |
| P212 | R1 Alarm ID/Pump | 1 = Off | | | | | |
| P213 | R1 Set 1 | 0.000 metres | | | | | |
| P214 | R1 Set 2 | 0.000 metres | | | | | |
| P215 | R1 Set 3 | 0.000 | | | | | |
| P216 | R1 Allocation | 1 = Xducer 1 | | | | | |
| P217 | R1 Closures | 0 | | | | | |
| P218 | R1 Fail Safe | 0 | | | | | |

Relay 2

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P220 | R2 Type | 0 = Off | | | | | |
| P221 | R2 Function | 0 = Off | | | | | |
| P222 | R2 Alarm ID/Pump | 1 = Off | | | | | |
| P223 | R2 Set 1 | 0.000 metres | | | | | |
| P224 | R2 Set 2 | 0.000 metres | | | | | |
| P225 | R2 Set 3 | 0.000 | | | | | |
| P226 | R2 Allocation | 1 = Xducer 1 | | | | | |
| P227 | R2 Closures | 0 | | | | | |
| P228 | R2 Fail Safe | 0 | | | | | |



Relay 3

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P230 | R3 Type | 0 = Off | | | | | |
| P231 | R3 Function | 0 = Off | | | | | |
| P232 | R3 Alarm ID/Pump | 1 = Off | | | | | |
| P233 | R3 Set 1 | 0.000 metres | | | | | |
| P234 | R3 Set 2 | 0.000 metres | | | | | |
| P235 | R3 Set 3 | 0.000 | | | | | |
| P236 | R3 Allocation | 1 = Xducer 1 | | | | | |
| P237 | R3 Closures | 0 | | | | | |
| P238 | R3 Fail Safe | 0 | | | | | |

Relay 4

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P240 | R4 Type | 0 = Off | | | | | |
| P241 | R4 Function | 0 = Off | | | | | |
| P242 | R4 Alarm ID/Pump | 1 = Off | | | | | |
| P243 | R4 Set 1 | 0.000 metres | | | | | |
| P244 | R4 Set 2 | 0.000 metres | | | | | |
| P245 | R4 Set 3 | 0.000 | | | | | |
| P246 | R4 Allocation | 1 = Xducer 1 | | | | | |
| P247 | R4 Closures | 0 | | | | | |
| P248 | R4 Fail Safe | 0 | | | | | |

Relay 5

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P250 | R5 Type | 0 = Off | | | | | |
| P251 | R5 Function | 0 = Off | | | | | |
| P252 | R5 Alarm ID/Pump | 1 = Off | | | | | |
| P253 | R5 Set 1 | 0.000 metres | | | | | |
| P254 | R5 Set 2 | 0.000 metres | | | | | |
| P255 | R5 Set 3 | 0.000 | | | | | |
| P256 | R5 Allocation | 1 = Xducer 1 | | | | | |
| P257 | R5 Closures | 0 | | | | | |
| P258 | R5 Fail Safe | 0 | | | | | |



Relay 6

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P260 | R6 Type | 0 = Off | | | | | |
| P261 | R6 Function | 0 = Off | | | | | |
| P262 | R6 Alarm ID/Pump | 1 = Off | | | | | |
| P263 | R6 Set 1 | 0.000 metres | | | | | |
| P264 | R6 Set 2 | 0.000 metres | | | | | |
| P265 | R6 Set 3 | 0.000 | | | | | |
| P266 | R6 Allocation | 1 = Xducer 1 | | | | | |
| P267 | R6 Closures | 0 | | | | | |
| P268 | R6 Fail Safe | 0 | | | | | |

PUMP "ADVANCED"

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P352 | Start Delay | 10.0 secs. | | | | | |
| P353 | Power Delay | 10.0 secs. | | | | | |

Exercise

| Parameter Details | | Entered Values | | | | | |
|-------------------|-----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P354 | Exercise Enable | 0 = No | | | | | |
| P355 | Idle Time | 720.00 mins. | | | | | |
| P356 | Exercise Time | 30.0 secs. | | | | | |
| P357 | Minimum Head | 0.0 metres | | | | | |

**DIGITAL INPUTS**

Common Par.

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P300 | Max. Attempts | 1= One | | | | | |
| P301 | Switch Mode | 0 = Standard | | | | | |
| P302 | Override Delay | 0.0 mins. | | | | | |
| P303 | Min. Override | 0.0 mtrs. | | | | | |
| P304 | Input Delay | 10.00 secs. | | | | | |
| P305 | Input Filter | 1.000 sec. | | | | | |

Dig. Input 1

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P372 | Type | 1=Input N.C. | | | | | |
| P373 | Function | 1=DeviceFail | | | | | |
| P374 | Assignment | 0=None | | | | | |

Dig. Input 2

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P375 | Type | 1=Input N.C. | | | | | |
| P376 | Function | 1=DeviceFail | | | | | |
| P377 | Assignment | 0=None | | | | | |

Dig. Input 3

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P378 | Type | 1=Input N.C. | | | | | |
| P379 | Function | 1=DeviceFail | | | | | |
| P380 | Assignment | 0=None | | | | | |

Dig. Input 4

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P381 | Type | 1=Input N.C. | | | | | |
| P382 | Function | 1=DeviceFail | | | | | |
| P383 | Assignment | 0=None | | | | | |



Dig. Input 5

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P384 | Type | 1=Input N.C. | | | | | |
| P385 | Function | 1=DeviceFail | | | | | |
| P386 | Assignment | 0=None | | | | | |

Dig. Input 6

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P387 | Type | 1=Input N.C. | | | | | |
| P388 | Function | 1=DeviceFail | | | | | |
| P389 | Assignment | 0=None | | | | | |

Dig. Input 7

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P390 | Type | 2=Input N.O. | | | | | |
| P391 | Function | 4=Reset | | | | | |
| P392 | Assignment | 0=None | | | | | |

DATA LOGS

Pump 1

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P511 | P1 Hours | 0.0 hours | | | | | |
| P512 | P1 Starts | 0 | | | | | |
| P513 | P1 Starts/Hour | 0 | | | | | |
| P514 | P1 Run Ons | 0 | | | | | |

Pump 2

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P521 | P2 Hours | 0.0 hours | | | | | |
| P522 | P2 Starts | 0 | | | | | |
| P523 | P2 Starts/Hour | 0 | | | | | |
| P524 | P2 Run On' s | 0 | | | | | |

**Pump 3**

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P531 | P3 Hours | 0.0 hours | | | | | |
| P532 | P3 Starts | 0 | | | | | |
| P533 | P3 Starts/Hour | 0 | | | | | |
| P534 | P3 Run On' s | 0 | | | | | |

Pump 4

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P541 | P4 Hours | 0.0 hours | | | | | |
| P542 | P4 Starts | 0 | | | | | |
| P543 | P4 Starts/Hour | 0 | | | | | |
| P544 | P4 Run On' s | 0 | | | | | |

Pump 5

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P551 | P5 Hours | 0.0 hours | | | | | |
| P552 | P5 Starts | 0 | | | | | |
| P553 | P5 Starts/Hour | 0 | | | | | |
| P554 | P5 Run On' s | 0 | | | | | |

Pump 6

| Parameter Details | | Entered Values | | | | | |
|-------------------|----------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P561 | P6 Hours | 0.0 hours | | | | | |
| P562 | P6 Starts | 0 | | | | | |
| P563 | P6 Starts/Hour | 0 | | | | | |
| P564 | P6 Run On' s | 0 | | | | | |

**DISPLAY**

Options

| Parameter Details | | Entered Values | | | | | |
|-------------------|--------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P800 | Display Units | 1 = measured | | | | | |
| P801 | Decimal Places | 2 | | | | | |
| P802 | Display Offset | 0.000 metres | | | | | |
| P804 | Display Conversion | 1.000 | | | | | |
| P805 | Display Source | 0 = Default | | | | | |

Fail Safe

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P808 | Fail Mode | 1 = Known | | | | | |
| P809 | Fail Time | 2.0 mins | | | | | |

Auxiliary

| Parameter Details | | Entered Values | | | | | |
|-------------------|------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P810 | Units | 1= Yes | | | | | |
| P811 | Alarms | 0 = No | | | | | |
| P812 | Pumps | 0 = No | | | | | |
| P813 | Control | 0 = No | | | | | |
| P814 | Miscellaneous | 0 = No | | | | | |
| P815 | Auxiliary Source | 0 = Off | | | | | |
| P816 | Totaliser (R) | 0 = No | | | | | |

ECHO PROCESS

Xducer Status 1

| Parameter Details | | Entered Values | | | | | |
|-------------------|-------------------|----------------|---|---|---|---|---|
| No. | Description | Default | 1 | 2 | 3 | 4 | 5 |
| P900 | Xducer 1 Status | Read Only | | | | | |
| P901 | Echo Confidence 1 | Read Only | | | | | |
| P902 | Echo Strength 1 | Read Only | | | | | |
| P903 | Average Noise 1 | Read Only | | | | | |
| P904 | Peak Noise 1 | Read Only | | | | | |