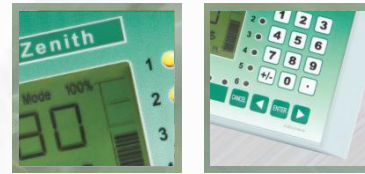


# Zenith datasheet



The Pulsar Zenith Intelligent Pump Controller is a high specification pumping station management system, offering unrivalled performance. Using Pulsar's proven non-contacting ultrasonic technology it provides almost all known pumping routines in an easy to use package. It is possible to eliminate a PLC by using the Zenith in a smaller station. Can operate with any of the Pulsar transducers up to the dB40 dependent on application.



## Zenith - General

Function:	Level, Advanced Pump Control and Differential
Power Supply:	115V AC +5%/-10%, 50/60 Hz, 18-30V DC
Display:	Back lit, 6 digits plus 12 character text, bargraph with direction indicator
Approvals:	UL/CuL NEMA 12 (IP64) American Recovery and Reinvestment Act (ARRA certification on request)
Temperature:	Ambient -4 to 122°F (-20 to 50°C)

## Outputs

Relays:	6, form "C" (SPDT) relays rated 5A at 115V/240V AC
Relay Functions:	Level alarms, time to spill, burst and blocked rising main, differential control, pump efficiency, advanced pump routines, advanced pump controls, rate of change, device failed, auto pump resets, tariff management
Analogue Output:	4-20mA isolated output
Analogue Output Functions:	Level, Distance, Space, Differential or Average

## Inputs

Inputs:	7 digital, 4.5 – 30V DC, max current 3mA
Input Functions:	Duty, override on/off, device failed
Analogue Input:	(optional extra) 4-20mA input

## Programming

Programming:	Integral keypad - easy and descriptive menu driven Ultra PC - all parameters accessible and echo traces viewable
--------------	---

## Echo Processing

Echo Processing:	Digital echo processing
Masking:	DATTEM Obstruction Masking (unique intelligent masking technology, continually adapting to prevent false levels being shown)

## Options

Digital Communications:	RS485 Modbus or Profibus DP V0 or V1
Data Logging:	Data logging card
Software:	Ultra PC - Diagnostic software, Ultra Log – Viewing data logged info
Analogues:	4-20mA input

## Compatible Transducers

Level App. :	dB3, dB6, dB6, dB10, dB15, dB25, dB40, dBMACH3
Pump Control App. :	dB3, dB6, dB6, dB10, dB15, dB25, dB40, dBMACH3
Differential App. :	dB3, dB6, dB6, dB10, dB15, dB25, dB40, dBMACH3
Please see related transducer datasheet for specifications and options.	

