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ADP

Versatile Indicator / Controller

The versatile digital panel indicator , controller and display is used with a wide range of sensors and transducers including 0-10 V, current 4-20 mA, temperature, frequency, speed, load, force, pressure, torque, LVDT and many more

Introduction

The digital architecture offers very easy one-pass calibration and fast setup. This versatile amplifier panel meter offers options of isolated analogue outputs, latching relays or digital outputs for control or alarm functions. The RS232 or RS485 options provide for digital communications (including setup) and can support label or ticket printers.

For a wall or surface mount version, see model SMP Versatile Indicator / Controller, for a wireless radio telemetry version, see model T24-IA or T24-VA for Radio Telemetry Input Modules.

Specification at a Glance

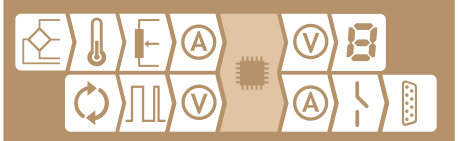
- AC or DC power supply options
- Fully isolated 4-20 mA and 0-10 V analogue outputs
- 2 set points with relays outputs
- Latching and inversion of relays
- PID control, peak hold, display in engineering units
- RS232 or RS485 data for set-up, data transfer or label/ticket printing
- Small panel space – DIN 72 x 72 mm

User Benefits

- LED display and keypad
- Wide choice of input modules with transducer excitation
- Fully digital set-up and calibration using keypad and comms
- High accuracy and stability
- DIN rail mounting kit available

Ideal Applications

- Marine
- Industrial Processing



Related Product

ADP-SP16
Input universal,
output 16 set points

SMP
Universal display with analogue
outputs, relays & data output

T24-IA
Current to radio
telemetry converter

UAB
Universal digital signal
conditioner and controller

Related Software

Instrument Explorer
Quick set up software event
monitoring, data logging, calibration
and configuration

Case Study

The Application:
Divers work at depth sometimes for weeks at a time. In order to reduce time and risk of 'the bends' in returning to surface pressure each time they finish a dive, they live in a compression chamber set to the pressure they are working in. During this time, careful control and recording of pressures, air/gas quality and temperature need to be made. When the diving stint has been completed, the diver needs to slowly return to surface pressure using a series of compression chambers/rooms set at lower pressures.

The Solution:
A complete monitoring and alarm system was built using ADP15 measuring display/control meters. This monitored data on pressure, humidity, temperature,

oxygen and carbon monoxide in all the compression rooms and the two active diving bells. Limits for all the data, and any change in rate of any of the parameters, would trigger an alarm as necessary. All the data was readily displayed for each area showing how close any were to limits and logged for future records.

CE & Environmental

Storage temperature	- 20 to +70ºC
Operating temperature	- 10 to +50ºC
Relative humidity	95% maximum non condensing

CE Environmental Approvals	
European EMC Directive	2004/108/EC
Low Voltage Directive	2006/95/EC

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