

# **DPT ARRAY DATA LOGGER / DPT DEV user manual**

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## Normal Display Menu

<b>CA</b> - Current pressure in Pascal
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## Setting Menu

<b>Group</b>	<b>1</b>
<b>Password</b>	<b>196</b>
<b>Group function</b>	Settings for regular unit operation



## Key operation



The 4 keys are used to edit a number in setting menu and password editing

- Enter** Enter key – it have 3 functions
- 1.Enter to settings menu
  - 2.Shift rite digit (rite curser move)
  - 3.Save setting number when rite lest digit
- ▲** Increment key – this key increment number when it press (01234567890123...)
- ▼** Decrement key- this key decrement number when it press (98764321098765...)
- Esc** Esc key – it have 3 functions
- 1.Exit to settings value when left lest digit
  - 2.Shift left digit (Left curser move)
  - 3.Exit from setting menu

## Terminal Connection Details

230V AC Supply		RELAY		0-10V OUT		RS485		
P	N	COM	NO	GND	0-10V	GND	A	B
1	2	3	4	5	6	7	8	9

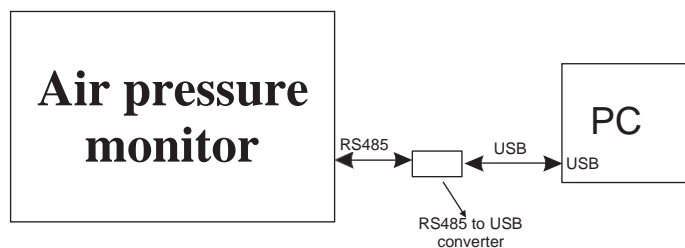
## Unit operation

Just bring 230V AC to 1&2 terminal, then it shows actual pressure for IN Tube, Apply pressure then it will update new value of pressure.

Relay ON and OFF based on settings. If current pressure greater than SET Pressure then Relay ON with ON Delay time setting. If the current pressure less than SET Pressure then Relay OFF with OFF Delay time setting.

The Control O/P voltage [0-10V DC] 6th terminal pin based on SET Pressure. The applying pressure increase, the voltage of the 6th terminal pin also increase. When it reaches the maximum pressure setting value the voltage is 10VDC.

## MODBUS RS485 Communication



MODBUS protocol serial setting for PC / HMI  
9600,8 Data bit, NO parity , 1 Stop bit.