# QUICK START PT04:

Firmware D372R5 version

## PINOUT:

The PT04 is the new version of the display. In the following drawings you can find its pinout. Since some new features have been added on the new board, the new pinout has some differences from the old one.

1) Pins 1,3 and 4 are connected to the same signals.
2) The wire connected to old pin 7 is moved to to pin 6 in the new connector
3) The wire connected to old pin 8 is moved to to pin 5 in the new connector
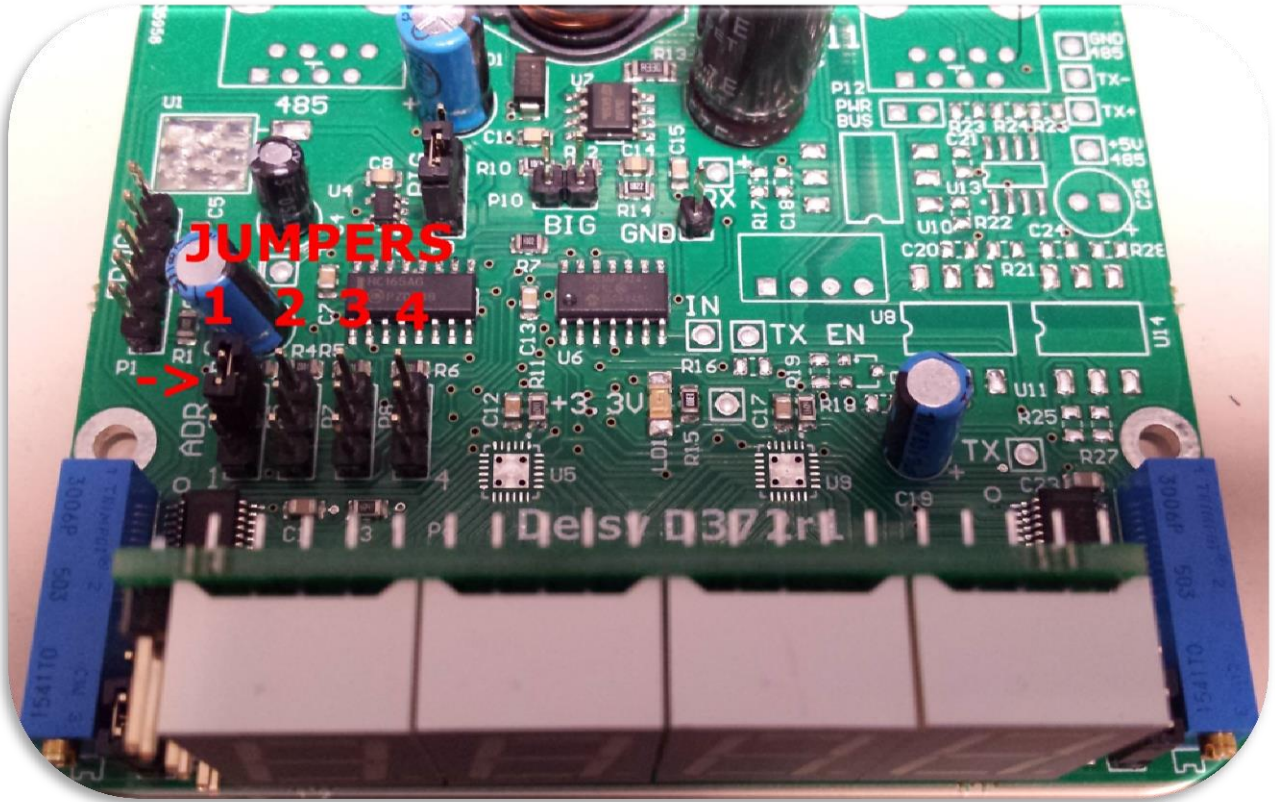4) Pin number 2 and number 4 must be connected together on the new connector
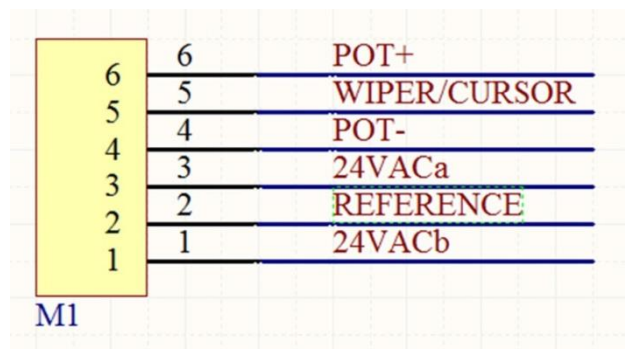


## CONNECTIONS:
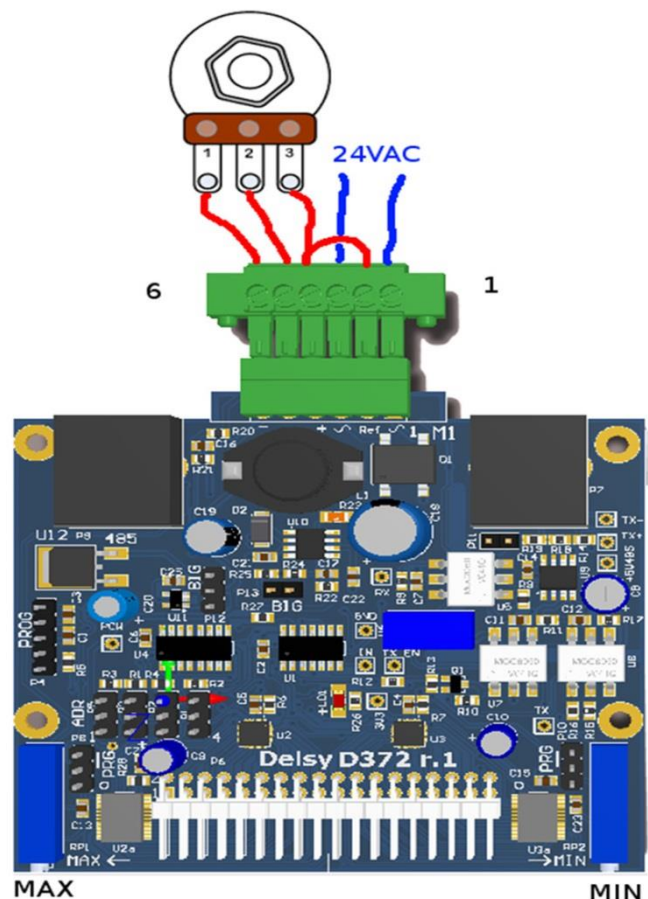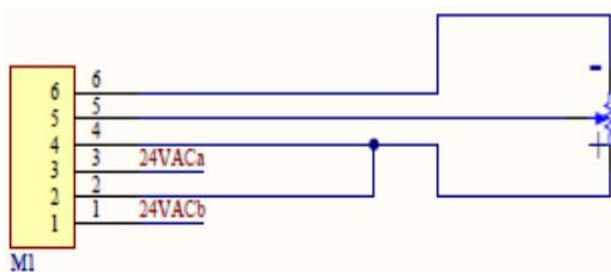
# SCALING FACTOR:

There are eight scaling factor options.
They can be set using the jumpers marked in the picture below:



Jumpers 1, 2 and 3 determine the scaling factor. Jumper 4, when present, activates an extra offset to display negative numbers too.

Refer to the following table for choosing the jumpers position:

| SELECTION JUMPER | SCALE MAX/MIN | |
| --- | --- | --- |
| | 4°Jumper NOT inserted | 4°Jumper INSERTED |
| NOT inserted | 1024 / 0 | +824 / -200 |
| 1° | 512 / 0 | +412 / -100 |
| 2° | 256 / 0 | +206 / -50 |
| 3° | 128 / 0 | +103 / -25 |

After inserting the jumper in the desired position the device must be turn off disconnecting the connection and power on again. In this way the display is restarted with the right scale.
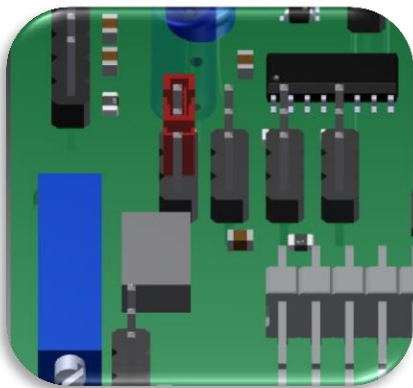
Jumper position for **1024** scale:
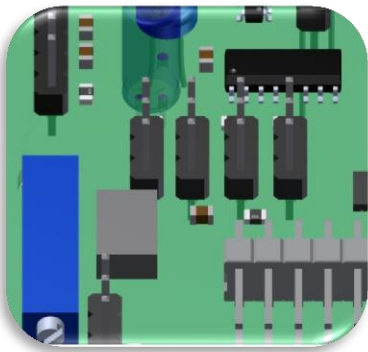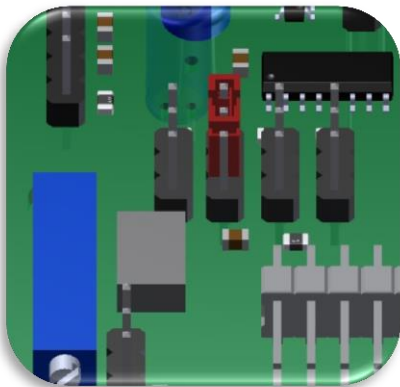


Jumper position for **+824/-200** scale:
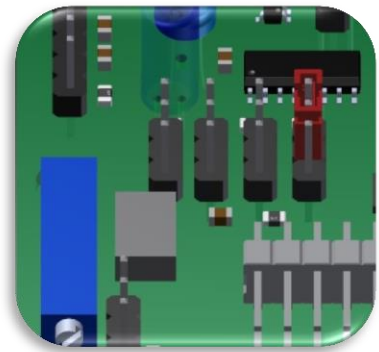
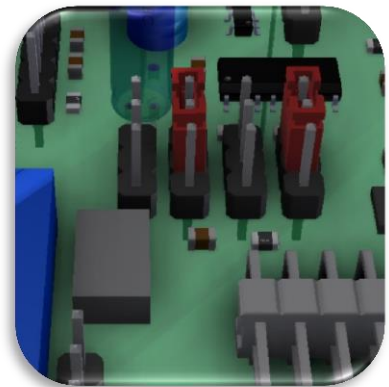

Jumper position for **512** scale:



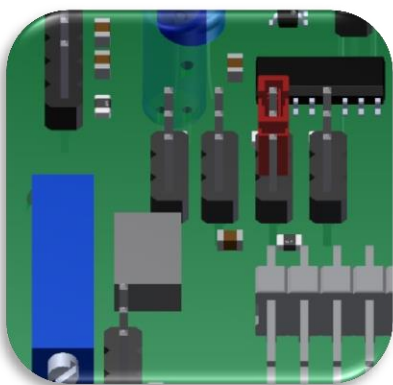Jumpers position for **+412/-100** scale:



Jumper position for 256 scale:



Jumpers position for **+206/-50** scale:



Jumper position for 128 scale:



Jumpers position for **+103/-25** scale:

# REGULATION:

The regulation is made by turning the potentiometers shown in the following picture:



The left potentiometer regulates the maximum value. The right potentiometer regulates the minimum value.
The first step is to turn all the potentiometer at the external of the board. Then you can make a precise regulation of the min/max turning until reach them.

# REFERENCES:

Reference directive: 2004/22/CE