WinSMART™ TY52

Smart Temperature Transmitter LCD Instruction Manual

Fun 01 - Password for WinSMART™ TY52   (Fun = Function)

1. Press and hold the '**M**' button for 5 sec.
2. Once the display reads 'Fun 01', release and press the '**M**' button for 1 sec.
3. Once you see '00000', you can use '**S**' and '**Z**' buttons to enter password, and **'M'** move between digits.
4. Default password is '00000'. Factory Reset password is 25917.
5. Once correct password is typed, you will be able to access remaining function fields. If wrong password is typed, you will not be able to enter remaining function fields.

Fun 03 – Upper Range Level and Fun 04 – Lower Range Level

1. Press '**Z'** to move ahead or '**S'** to move backwards.
2. Once your reach Fun 03 or Fun 04, press '**M'** to enter.
3. Fun 03 shows the lower range level and Fun 04 shows the upper range level. These values are taken by transmitter automatically.

Fun 05 – Damping Time

1. Press '**Z'** to move to Fun 05
2. Press '**M'** to Enter.
3. Press the '**S'** & '**Z'** buttons to change the damping time value. You can select between 1 – 32 seconds.
4. Press '**M'** to confirm.

Winters Instruments
121 Railside Road
Toronto, ON M3A 1B2
Canada

Tel: 416-444-2345
Fax: 416-444-8979
1-800-WINTERS
www.winters.com

Fun 06 – Lower Range Value (LRV) of temperature

1. Press '**Z**' to move to Fun 06.
2. Press '**M**' to enter Fun 06 which is used to set the lower range value.
3. Press '**S**' and '**Z**' button to input the correct number.
4. Press '**M**' to move between numbers and select decimal point.
5. Press '**M**' to confirm.

Fun 07 – Upper Range Value (URV) of temperature

1. Press '**Z**' to move to Fun 07.
2. Press '**M**' to enter Fun 07 which is used to set the upper range value.
3. Press '**S**' and '**Z**' button to input the correct number.
4. Press '**M**' to move between numbers and select decimal point.
5. Press '**M**' to confirm.

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Fun 08 – Zero Setting

1. Press '**Z**' to move to Fun 08.
2. Fun 08 is to set the Zero setting value.
3. Use this to set the Zero with current value.

Function 10 – Linear or Square root Value

1. Press '**Z'** to move to Fun 10.
2. Fun 10 is to set the output as **linear** or **square root** value.
3. Pressing the 'S' and 'Z' button to select the correct output type.
4. Press '**M'** to confirm.

Function 11 – Display

1. Press '**Z**' to move to Fun 11.
2. Fun 11 is to used to select the type of display you want on the LCD. The options are.
    a. **PV** – Temperature Value
    b. **SV** – Secondary Value (*Secondary Value is currently not available*)
    c. **CU** – Current Value (4-20mA)
    d. **PN** – Percentage Number (% upper range value)
    e. **Loop** – Toggle between temperature and current output value
3. Press the '**S**' and '**Z**' button to select the correct display type.
4. Press '**M**' to confirm.

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Function 12 – Unit

1. Press '**Z**' to move to Fun 12.
2. Fun 12 is to select the temperature unit to be displayed on LCD. The options are…
   a. °C – Celsius
   b. °F – Fahrenheit
   c. °R – Rankine
   d. K – Kelvin
3. Pressing the '**S'** and '**Z'** button to select the correct temperature unit type.
4. Press **'M'** to confirm.

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Function 22 – Sensor Type

1. Press **'Z'** to move to Fun 22.
2. Fun 22 is to select the correct sensor type. The options are…
   a. PT100 (Default)   b. PT1000   c. 100mv   d. B-Type TC   e. E-Type TC   …etc..
3. Pressing the '**S'** and '**Z'** button to select the correct sensor type.
4. Press **'M'** to confirm.

Function 23 – Sensor Wire

1. Press **'Z'** to move to Fun 23.
2. Fun 22 is to select the correct sensor wire type. The options are…
   a. 2-wire   b. 3-wire(default)   c. 4-wire.
3. Pressing the '**S'** and '**Z'** button to select the correct sensor type.
4. Press **'M'** to confirm.

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Function 99 – Save

1. Press **'Z'** to move to Fun 99.
2. Fun 99 is to save the programming values. The options are….
   a. Save   b. Cancel
3. Pressing the '**S**' and '**Z**' button to select the correct value.
4. Press **'M'** to confirm.
5. You will see '**SUCCESS'** screen indicating all values have been saved.
6. Press '**M**' to go to main LCD screen.
7. The transmitter is now programmed.