# MENU


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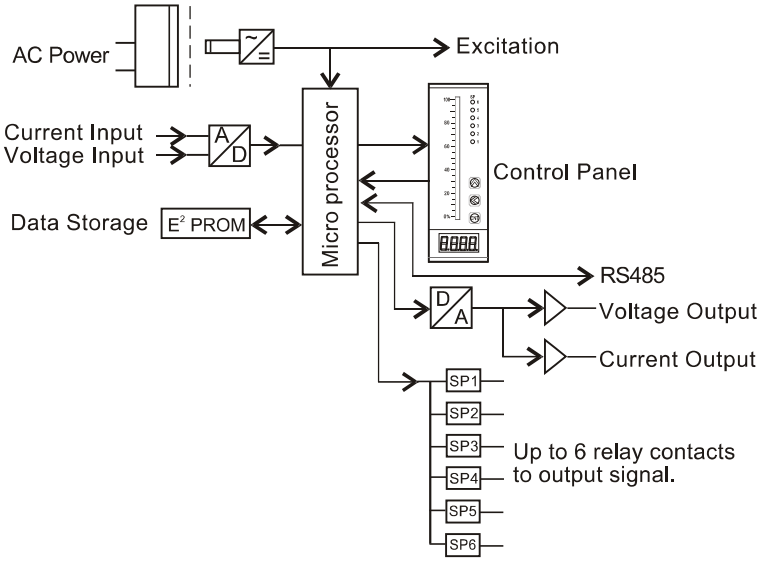
# 1. Product Introduction

The **TLI-1471** series is a vertical bargraph panel meter, with both numeric display and analog bargraph displays, performing both signal indication and process control. This series can accept various different signal inputs, digital numeric display could be set to any unit range as required by the user, examples, kg/cm$^2$, bar, cm and kg. This feature is very useful and suitable for various electrical and medium measurement controls in various industries.

**Features:**

- Accepts many types of process signals: 0~20mA, 4~20mA, 20~0mA, 20~4mA, 0~10V, 0~5V, 1~5V, 0~20V, 0~200V, also possible to use in non-standard input signal ranges.
- 0 / 4 / 6 sets of relay outputs and LED indication on front panel face.
- The TLI- series provide optional volume conversion feature, ideal for use in non-conventional tank level measurement.
- Optional repeating analog signal output for every signal input.
- Varity of signal input signals. (refer to ordering guide).
- Readable range is -1999~9999 (4 digits) or -19999~32767 (5 digits).
- Input power supply is AC: 85-265V or DC: 18-36V.
- 3 input button control, easy operations.

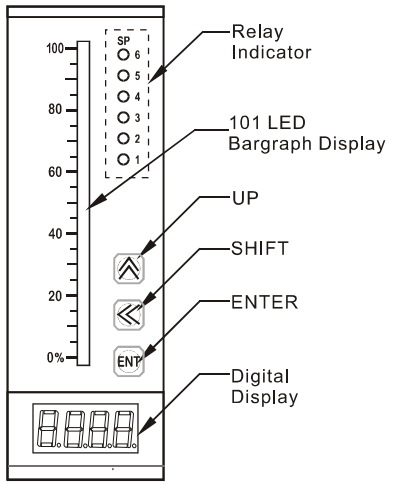
## 1.1 System Block Diagram



# 2. Operation Panel / Technical Specification / & Installation Dimension

## 2.1 TLI-1471

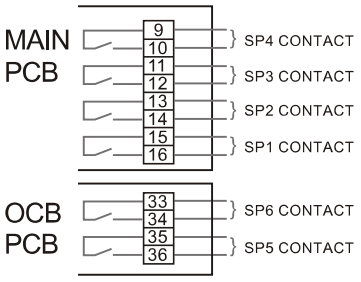
### 2.1.1 Operation Panel

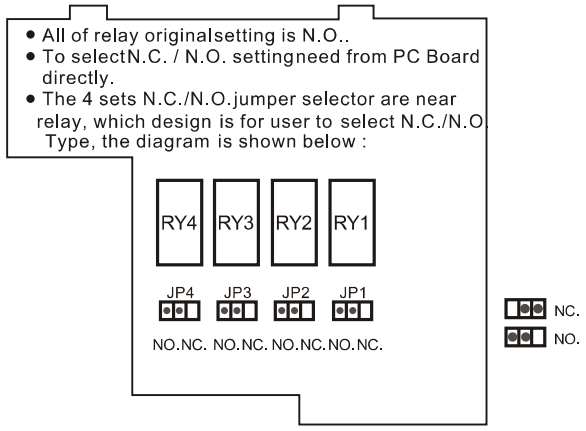



### 2.1.2 Technical Specifications

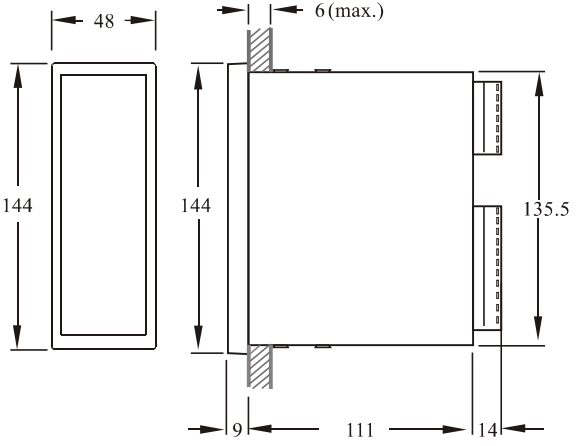
- ***Display***
  4 digits, 0.36" 7 segment red LED display.
  101 segment LED red bargraph display.
  Display range: -1999~+9999
- ***Input Signal***
  Range: 0~20mA, 4~20mA, 20~0mA, 20~4mA, 0~10V.
  (Refer to Ordering Information for more types)
- Accuracy: 0.1%FS or ±1 digit
- ADC resolution: 4-1/2 digit
- Sampling Rate: 4 samples/second
- Optional Relay Contacts: )
  4 or 6 relays 3A 250VAC or 5A30VDC
  (N.C. / N.O. jumper selectable)
- Working Condition :
  -20~70°C (20% to 90% RH non-condensed)
- Storage Condition:
  -25~75°C (20% to 90% RH non-condensed)
- Power Supply:
  AC: 85-265V or DC: 18-36V
  Switching Power Supply
- Power comsumption: 9VA
- Optional Output (Isolated):
  *Analog Output:
  0~20mA, 4~20mA, 20~0mA, 20~4mA
  0~10V, 2~10V, 0~5V, 1~5V.
  12 bit DAC resolution

### 2.1.3 Relay Outputs

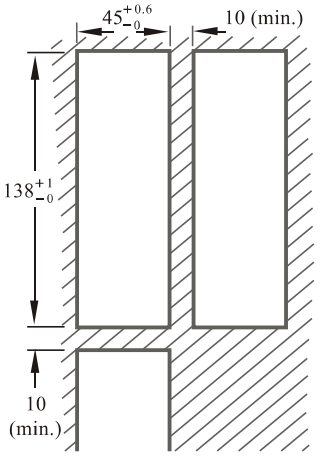



### 2.1.4 Exterior Dimensions

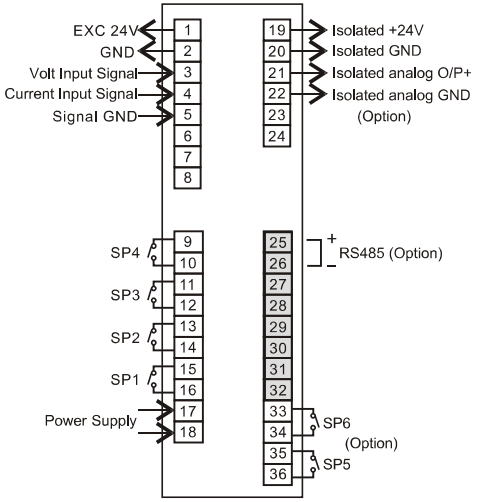



### 2.1.5 Cutout Dimensions



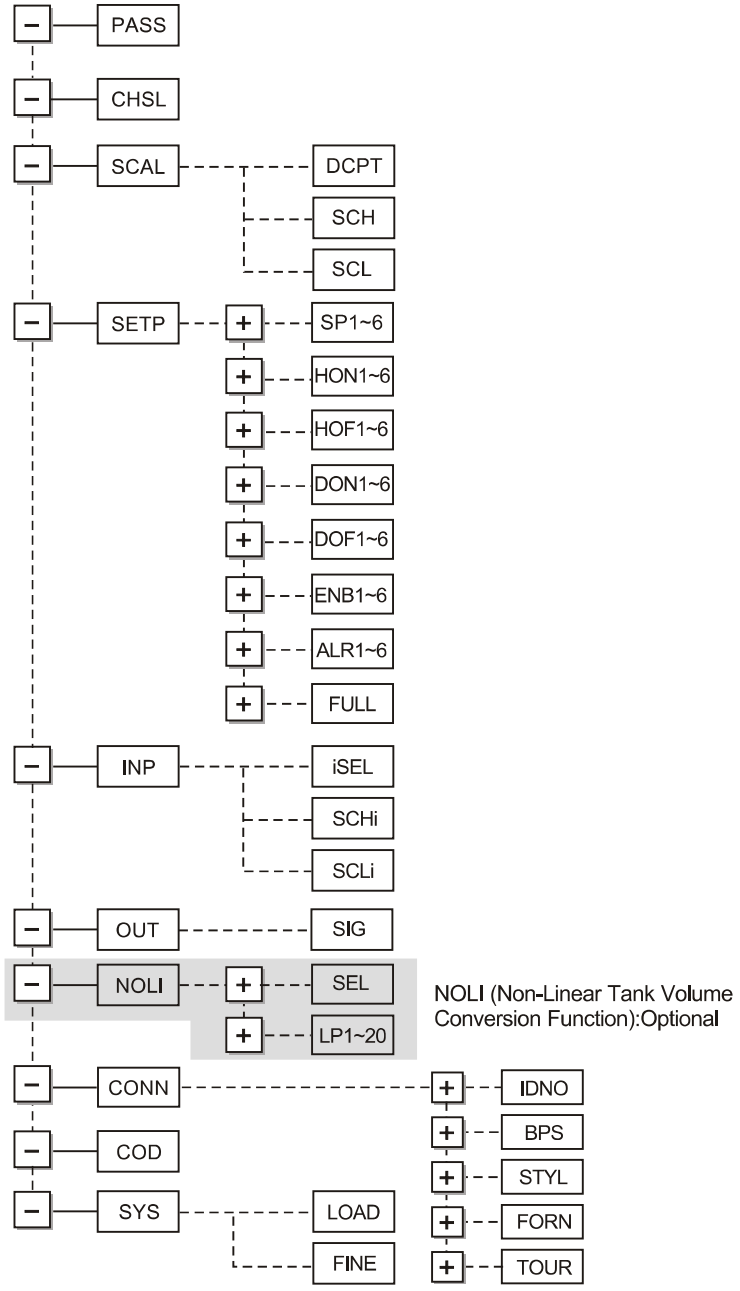

( unit: mm )

### 2.1.6 Terminal Arrangements



# 3. Program Settings

## 3.1 Program Settings Flowchart




## 3.2 Input Buttons

### Buttons Explanation

The settings on the panel meter is controlled by the 3 buttons on the panel (UP, SHIFT and ENTER). First choose the function, then input required value of 3 buttons while in "Selection" and "Setting" are:

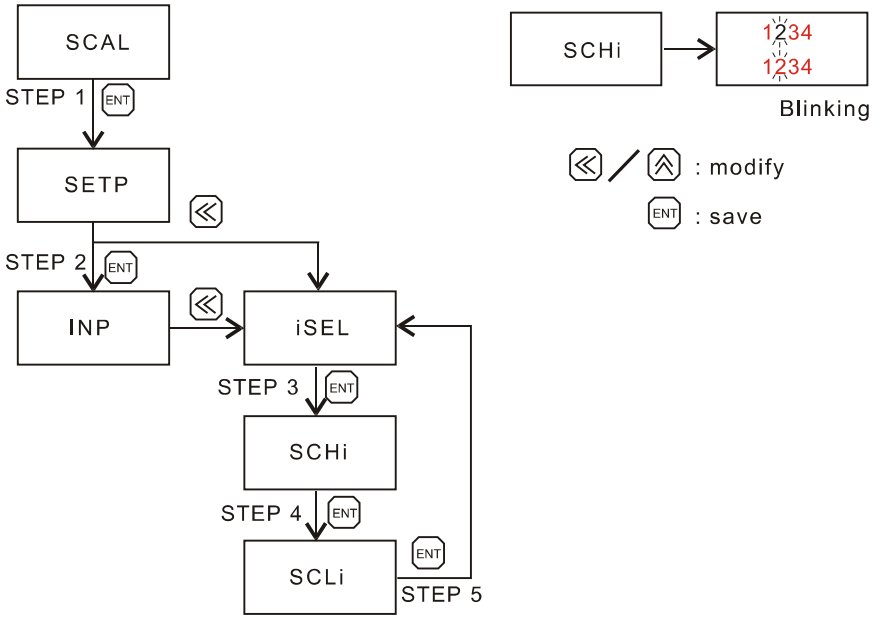
| | Selection | Settings |
|---|---|---|
| UP | Escape | Addition |
| SHIFT | Enter | Position Shift |
| ENTER | Switch | Confirmation |

*Please enter password to modify the parameter. (Default password: 4607)

ENT ENTER Button

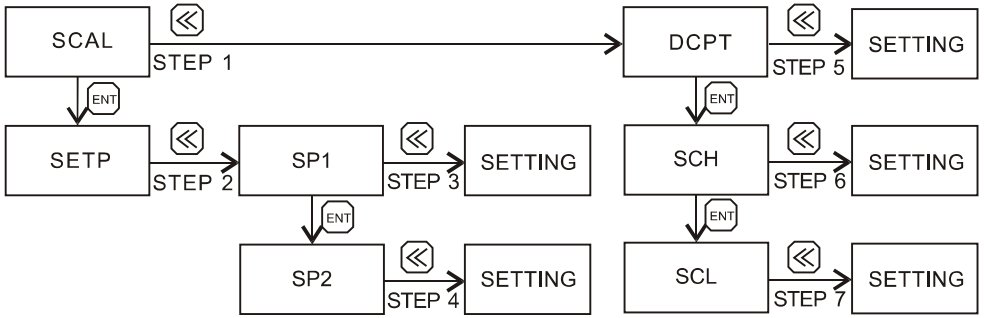
1) Main menu switch or sub-menu switch.
   Example: STEP 1 ~ STEP 2 and STEP 3 ~ STEP 5.

2) Confirmation to save settings
   Example: Confirmation of change of SCHi value

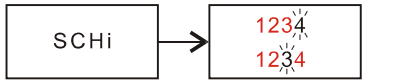


## SHIFT Button

- Entry into main menu or entry into sub-menu or position change.
  Example: STEP 1, STEP 2 and STEP 3 ~ STEP 7
- Position shift
  After entering into value input, use this button to shift between digit position.



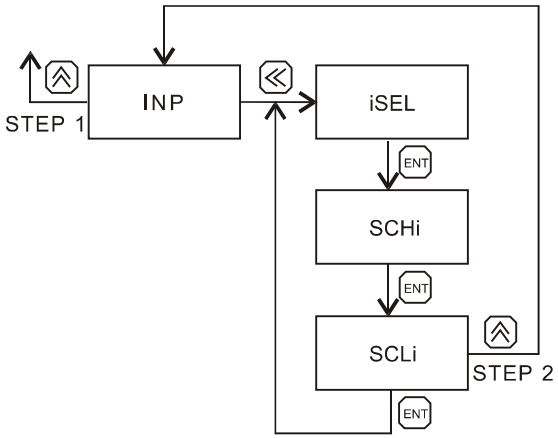

- Moving Numeric : Moving the parameter numeric to modify.
  For example : Into SCHi function setting, one of the numeric will blinking to modify, and use SHIFT bottom to select blinking digit for modify.



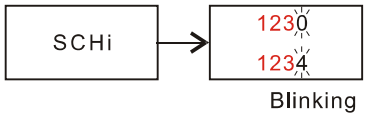

The blinking digit is for modify

## UP Button

- To escape from main menu and to escape from sub-menu to main menu.
  Example: STEP 1 and STEP 2



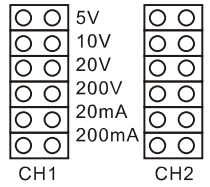
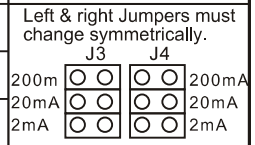
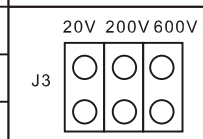
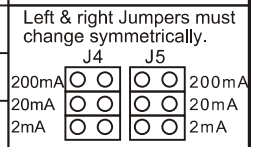
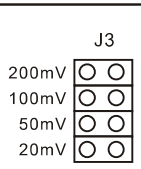

- To change input value by addition.
  Example: To change the value of SCHi from "1230" to "1234", press button four times.




Blinking

## 3.3 Input Signal Module and Setup Method

SIM Input Module Specifications and Jumper Elaboration.

| Module | Input Signal | Range | Jumper Setting |
|---|---|---|---|
| 01 | 4~20mA with Exc+24V | DC 4~20mA |  |
| 02 | ±0~20mA with Exc+24V | DC 0~20mA | |
| 03 | ±0~200mA with Exc+24V | DC 0~200mA | |
| 04 | ±5V with Exc+24V | DC ±5V | |
| 05 | ±10 with Exc+24V | DC ±10V | |
| 06 | ±20 with Exc+24V | DC ±20V | |
| 07 | ±200V with Exc+24V | DC ±200V | |
| A1 | 2mA ACScaled RMS | AC 0~2mA |  |
| A2 | 20mA ACScaled RMS | AC 0~20mA | |
| A3 | 200mA ACScaled RMS | AC 0~200mA | |
| A4 | 1A ACScaled RMS | AC 0~1A | |
| A5 | 5A ACScaled RMS | AC 0~5A | |
| B1 | 100mV ACScaled RMS | DC 0~100mV | |
| B2 | 200mV ACScaled RMS | AC 0~200mV | |
| B3 | 2V ACScaled RMS | AC 0~2V | |
| B4 | 20V ACScaled RMS | AC 0~20V |  |
| B5 | 200V ACScaled RMS | AC 0~200V | |
| B6 | 600V ACScaled RMS | AC 0~600V | |
| C1 | ±2mA Exc+24V | DC ±2mA |  |
| C2 | ±20mA Exc+24V | DC ±20mA | |
| C3 | ±200mA Exc+24V | DC ±200mA | |
| C4 | ±1Amp | DC ±1A | |
| C5 | ±5 Amp | DC ±5A | |
| D1 | ±20mV Exc+24V | DC ±20mV |  |
| D2 | ±50mV Exc+24V | DC ±50mV | |
| D3 | ±100mV Exc+24V | DC ±100mV | |
| D4 | ±200mV Exc+24V | DC ±200mV | |

## 3.4 Program Commands List

| Command | Description | 4 Digital Setting Range | 4 Digit Factory Default | 5 Digital Setting Range | 5 Digit Factory Default |
|---|---|---|---|---|---|
| PASS | Password | 0~9999 | 4607 | 0~9999 | 4607 |
| CHSL | Channel Selection | CH1/CH2 | CH1 | CH1/CH2 | CH1 |
| SCAL | Set DCPT, SCH, SCL | | | | |
| DCPT | Decimal point Selection | 0~3 | Dot1 | 0~4 | Dot2 |
| SCH | Display value for SPAN | -1999 ~9999 | 100.0 | -19999 ~32767 | 100.00 |
| SCL | Display value for SPAN | -1999 ~9999 | 000.0 | -19999 ~32767 | 000.00 |
| SETP | Set SP1~6, HON1~6, DON1~6, DOF1~6, ENB1~6, ALR1~6, FULL | | | | |
| SP1 | SP1 Set point value | -1999 ~9999 | 020.0 | -19999 ~32767 | 020.00 |
| SP2 | SP2 Set point value | -1999 ~9999 | 040.0 | -19999 ~32767 | 040.00 |
| SP3 | SP3 Set point value | -1999 ~9999 | 060.0 | -19999 ~32767 | 060.00 |
| SP4 | SP4 Set point value | -1999 ~9999 | 080.0 | -19999 ~32767 | 080.00 |
| SP5 | SP5 Set point value | -1999 ~9999 | NULL | -19999 ~32767 | NULL |
| SP6 | SP6 Set point value | -1999 ~9999 | NULL | -19999 ~32767 | NULL |
| HON1 | SP1 Hysterises High Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HON2 | SP2 Hysterises High Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HON3 | SP3 Hysterises High Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HON4 | SP4 Hysterises High Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HON5 | SP5 Hysterises High Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HON6 | SP6 Hysterises High Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HOF1 | SP1 Hysterises Low Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HOF2 | SP2 Hysterises Low Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HOF3 | SP3 Hysterises Low Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HOF4 | SP4 Hysterises Low Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HOF5 | SP5 Hysterises Low Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| HOF6 | SP6 Hysterises Low Band | 0~9999 | 000.0 | 0~32767 | 000.00 |
| DON 1 | SP1 Delay On Setting | 00~99 | 00 | 0~99 | 00 |
| DON 2 | SP2 Delay On Setting | 00~99 | 00 | 0~99 | 00 |
| DON 3 | SP3 Delay On Setting | 00~99 | 00 | 0~99 | 00 |
| DON 4 | SP4 Delay On Setting | 00~99 | 00 | 0~99 | 00 |
| DON 5 | SP5 Delay On Setting | 00~99 | 00 | 0~99 | 00 |
| DON 6 | SP6 Delay On Setting | 00~99 | 00 | 0~99 | 00 |

| Command | Description | 4 Digital Setting Range | 4 Digit Factory Default | 5 Digital Setting Range | 5 Digit Factory Default |
|---|---|---|---|---|---|
| DOF1 | SP1 Delay Off Setting | 00~99 | 00 | 0~999 | 000 |
| DOF2 | SP2 Delay Off Setting | 00~99 | 00 | 0~999 | 000 |
| DOF3 | SP3 Delay Off Setting | 00~99 | 00 | 0~999 | 000 |
| DOF4 | SP4 Delay Off Setting | 00~99 | 00 | 0~999 | 000 |
| DOF5 | SP5 Delay Off Setting | 00~99 | 00 | 0~999 | 000 |
| DOF6 | SP6 Delay Off Setting | 00~99 | 00 | 0~999 | 000 |
| ENB1 | SP1 Relay On/ Off Selecting | ON / OFF | ON | ON / OFF | ON |
| ENB2 | SP2 Relay On/ Off Selecting | ON / OFF | ON | ON / OFF | ON |
| ENB3 | SP3 Relay On/ Off Selecting | ON / OFF | ON | ON / OFF | ON |
| ENB4 | SP4 Relay On/ Off Selecting | ON / OFF | ON | ON / OFF | ON |
| ENB5 | SP5 Relay On/ Off Selecting | ON / OFF | OFF | ON / OFF | OFF |
| ENB6 | SP6 Relay On/ Off Selecting | ON / OFF | OFF | ON / OFF | OFF |
| ALR1 | SP1 Hi /Lo Alarm Selection | HI / LO | LO | HI / LO | LO |
| ALR2 | SP2 Hi /Lo Alarm Selection | HI / LO | LO | HI / LO | LO |
| ALR3 | SP3 Hi /Lo Alarm Selection | HI / LO | HI | HI / LO | HI |
| ALR4 | SP4 Hi /Lo Alarm Selection | HI / LO | HI | HI / LO | HI |
| ALR5 | SP5 Hi /Lo Alarm Selection | HI / LO | HI | HI / LO | HI |
| ALR6 | SP6 Hi /Lo Alarm Selection | HI / LO | HI | HI / LO | HI |
| FULL | Enter this item for all setting items | YES / NO | NO | YES / NO | NO |
| inp | Input Signal Setting | | | | |
| iSEL | Iutput Type Selection | | 4~20 | | 4~20 |
| SCHi | SPAN Percentage for SPE mode | -1999 ~9999 | 100.0 | -19999 ~32767 | 100.00 |
| SCLi | ZERO Percentage for SPE mode | -1999 ~9999 | 000.0 | -19999 ~32767 | 000.00 |
| out | Output Signal Setting | | | | |
| SIG | Analog Output Type Selection | | 4~20 | | 4~20 |

| NOLI | Non-Linear Tank Function | | | | |
|---|---|---|---|---|---|
| SEL | Enable / Disable | ON / OFF | OFF | ON / OFF | OFF |
| LP1 | Control Point #1 | 0~1999 | 5 | 0~19999 | 5 |
| LP2 | Control Point #2 | 0~1999 | 10 | 0~19999 | 10 |
| LP3 | Control Point #3 | 0~1999 | 15 | 0~19999 | 15 |

| Command | Description | 4 Digital Setting Range | 4 Digit Factory Default | 5 Digital Setting Range | 5 Digit Factory Default |
|---|---|---|---|---|---|
| LP4 | Control Point#4 | 0~1999 | 20 | 0~19999 | 20 |
| LP5 | Control Point#5 | 0~1999 | 25 | 0~19999 | 25 |
| LP6 | Control Point#6 | 0~1999 | 30 | 0~19999 | 30 |
| LP7 | Control Point#7 | 0~1999 | 35 | 0~19999 | 35 |
| LP8 | Control Point#8 | 0~1999 | 40 | 0~19999 | 40 |
| LP9 | Control Point#9 | 0~1999 | 45 | 0~19999 | 45 |
| LP10 | Control Point#10 | 0~1999 | 50 | 0~19999 | 50 |
| LP11 | Control Point#11 | 0~1999 | 55 | 0~19999 | 55 |
| LP12 | Control Point#12 | 0~1999 | 60 | 0~19999 | 60 |
| LP13 | Control Point#13 | 0~1999 | 65 | 0~19999 | 65 |
| LP14 | Control Point#14 | 0~1999 | 70 | 0~19999 | 70 |
| LP15 | Control Point#15 | 0~1999 | 75 | 0~19999 | 75 |
| LP16 | Control Point#16 | 0~1999 | 80 | 0~19999 | 80 |
| LP17 | Control Point#17 | 0~1999 | 85 | 0~19999 | 85 |
| LP18 | Control Point#18 | 0~1999 | 90 | 0~19999 | 90 |
| LP19 | Control Point#19 | 0~1999 | 95 | 0~19999 | 95 |
| LP20 | Control Point#20 | 0~1999 | 100 | 0~19999 | 100 |
| cod | Change Password | 0~9999 | 4607 | 4607 | 0~9999 |
| SYS | System Settings | | | | |
| LOAD | Reset to factory default | YES/NO | NO | YES/NO | NO |
| FINE | Read Software Version Code | | | | |

| Command | Description | Setting Range | Factory Default |
|---|---|---|---|
| CONN | RS485 Settings | | |
| IDNO | Settings ModBus Address | 0~255 | 255 |
| BPS | Setting ModBus BaudRate | more | 600 |
| 600 | 600BPS | 600 | |
| 1200 | 1200BPS | 1200 | |
| 2400 | 2400BPS | 2400 | |
| 4800 | 4800BPS | 4800 | |
| 9600 | 9600BPS | 9600 | |
| 144G | 14400BPS | 14400 | |
| 192G | 19200BPS | 19200 | |
| 288G | 28800BPS | 28800 | |
| 576G | 57600BPS | 57600 | |
| STYL | Settings Data Type | more | 8N1 |
| 8N1 | 8 Byte, No Parity, 1 Stop Bits | 8N1 | |
| 7N2 | 7 Byte, No Parity, 2 Stop Bits | 7N2 | |
| 7O1 | 7 Byte, Odd Parity, 1 Stop Bits | 701 | |
| 7E1 | 7 Byte, Even Parity, 1 Stop Bits | 7E1 | |
| 8N2 | 8 Byte, No Parity, 2 Stop Bits | 8N2 | |
| 8O1 | 8 Byte, Odd Parity, 1 Stop Bits | 801 | |
| 8E1 | 8 Byte, Even Parity, 1 Stop Bits | 8E1 | |
| 7O2 | 7 Byte, Odd Parity, 2 Stop Bits | 702 | |
| 7E2 | 7 Byte, Even Parity, 2 Stop Bits | 7E2 | |
| FORN | Settings Data Format | more | HEX |
| HEX | RTU Mode | HEX | |
| ASCI | ASCII Mode | ASCII | |
| TOUT | Time Out | 100~9999mS | 300mS |

## 3.5.Input Signal Settings

This section will elaborate how to adapt to different input signals in the panel meter, by using the correct jumper and using iSEL command. Panel meter series can accommodate 6 types of conventional input signals, 20mA, 200mA, 5V, 10V, 20V, 200V, please refer below for setup.

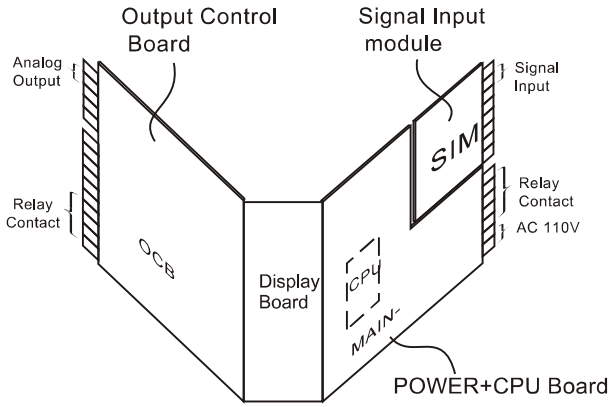
STEP 1: Please confirm the type of input signal

STEP 2: Open up MG casing and locate the SIM input signal module, select the jumper connection that corresponds to the required input signal.

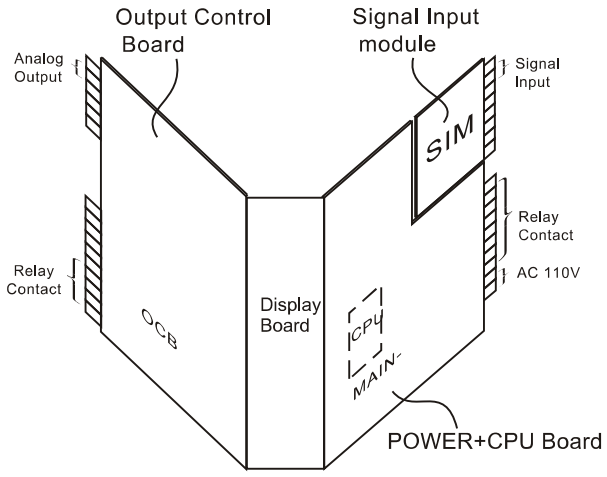
STEP 3: Enter the main menu of the MG after password input, select iSEL and select the correct input signal from the list below.

### 3.5.1 Diagram

48x96




48x144




### 3.5.2 Input Signal & Setting Table

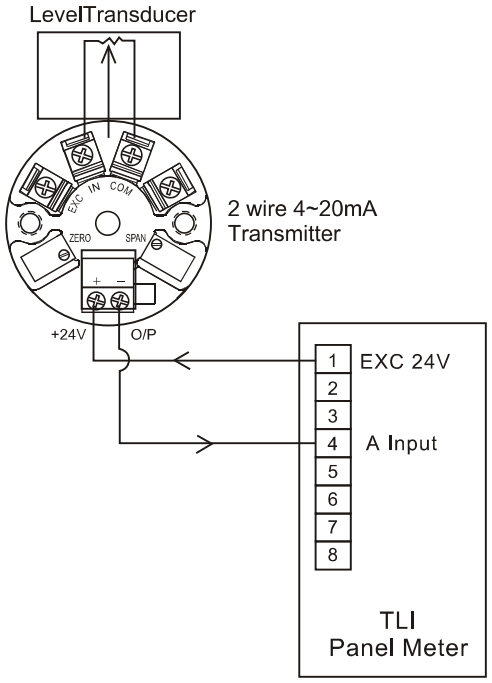
| SIM No. | Signal Type | Jumper position | User Setup (iSEL) |
|---|---|---|---|
| 01 & 02 | 0~20mA | 20mA | iSEL → 0 - 20 |
| | 4~20mA | | iSEL → 4 - 20 |
| | 20~0mA | | iSEL → 20 - 0 |
| | 20~4mA | | iSEL → 20 - 0 |
| | Special range 0~20mA | | iSEL → SPE → SCHi / SCLi |
| 03 | A200mA | 200mA | iSEL → 0 - 20 |
| | Special range 0~200mA | | iSEL → SPE → SCHi / SCLi Refer to 4.2.2 |
| 04 | A5V | 5V | iSEL → 0 - 5 |
| | 1~5V | | iSEL → 1 - 5 |
| | Special range 0~5V | | iSEL → SPE → SCHi / SCLi Refer to 4.2.2 |
| 05 | A10V | 10V | iSEL → 0 - 10 |
| | 2~10V | | iSEL → 2 - 10 |
| | Special range 0~10V | | iSEL → SPE → SCHi / SCLi Refer to 4.2.2 |
| 06 | A20V | 20V | iSEL → 0 - 20 |
| | Special range 0~20V | | iSEL → SPE → SCHi / SCLi Refer to 4.2.2 |
| 07 | A200V | 200V | iSEL → 0 - 20 |
| | Special range 0~200V | | iSEL → SPE → SCHi / SCLi Refer to 4.2.2 |
| A1 | AC Current RMS 0~2mA | 2mA | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>SCH → 2.000 |
| A2 | AC Current RMS 0~20mA | 20mA | iSEL → 0 - 10<br>SCAL → DCPT → 2<br>SCH → 20.00 |

| SIM No. | Signal Type | Jumper position | User Setup (iSEL) |
|---|---|---|---|
| A3 | AC Current RMS 0~200mA | 200mA | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 200.0 |
| A4 | AC Current RMS 0~1A | 1A | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>→ SCH → 100.0 |
| A5 | AC Current RMS 0~5A | 5A | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>→ SCH → 5.000 |
| B1 | AC Voltage RMS 0~100mV | 100mV | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 100.0 |
| B2 | AC Voltage RMS 0~200mV | 200mV | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 200.0 |
| B3 | AC Voltage RMS 0~2V | 2V | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>→ SCH → 2.000 |
| B4 | AC Voltage RMS 0~20V | 20V | iSEL → 0 - 10<br>SCAL → DCPT → 2<br>→ SCH → 20.00<br>Refer to 4.2.2 |
| B5 | AC Voltage RMS 0~200V | 200V | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 200.0<br>Refer to 4.2.2 |
| B6 | AC Voltage RMS 0~600V | 600V | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 600.0 |

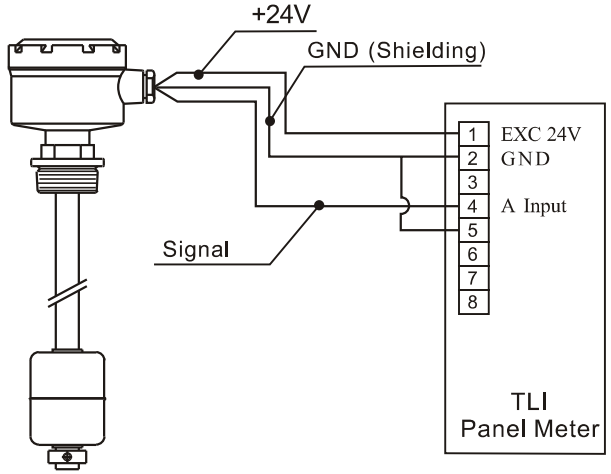
| SIM No. | Signal Type | Jumper position | User Setup (iSEL) |
|---|---|---|---|
| C1 | DC Current A2mA | 2mA | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>→ SCH → 2.000 |
| C2 | DC Current A20mA | 20mA | iSEL → 0 - 10<br>SCAL → DCPT → 2<br>→ SCH → 20.00 |
| C3 | DC Current A200mA | 200mA | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 200.0 |
| C4 | DC Current A1A | 1A | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>→ SCH → 1.000 |
| C5 | DC Current A5A | 5A | iSEL → 0 - 10<br>SCAL → DCPT → 3<br>→ SCH → 5.000 |
| D1 | DC Voltage A20mV | 20mV | iSEL → 0 - 10<br>SCAL → DCPT → 2<br>→ SCH → 20.00 |
| D2 | DC Voltage A50mV | 50mV | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 050.0 |
| D3 | DC Voltage A100mV | 100mV | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 100.0 |
| D4 | DC Voltage A200mV | 200mV | iSEL → 0 - 10<br>SCAL → DCPT → 1<br>→ SCH → 200.0 |

## 3.5.3 Current Signal Input Example

A. 2 wire 4~20mA current signal input example

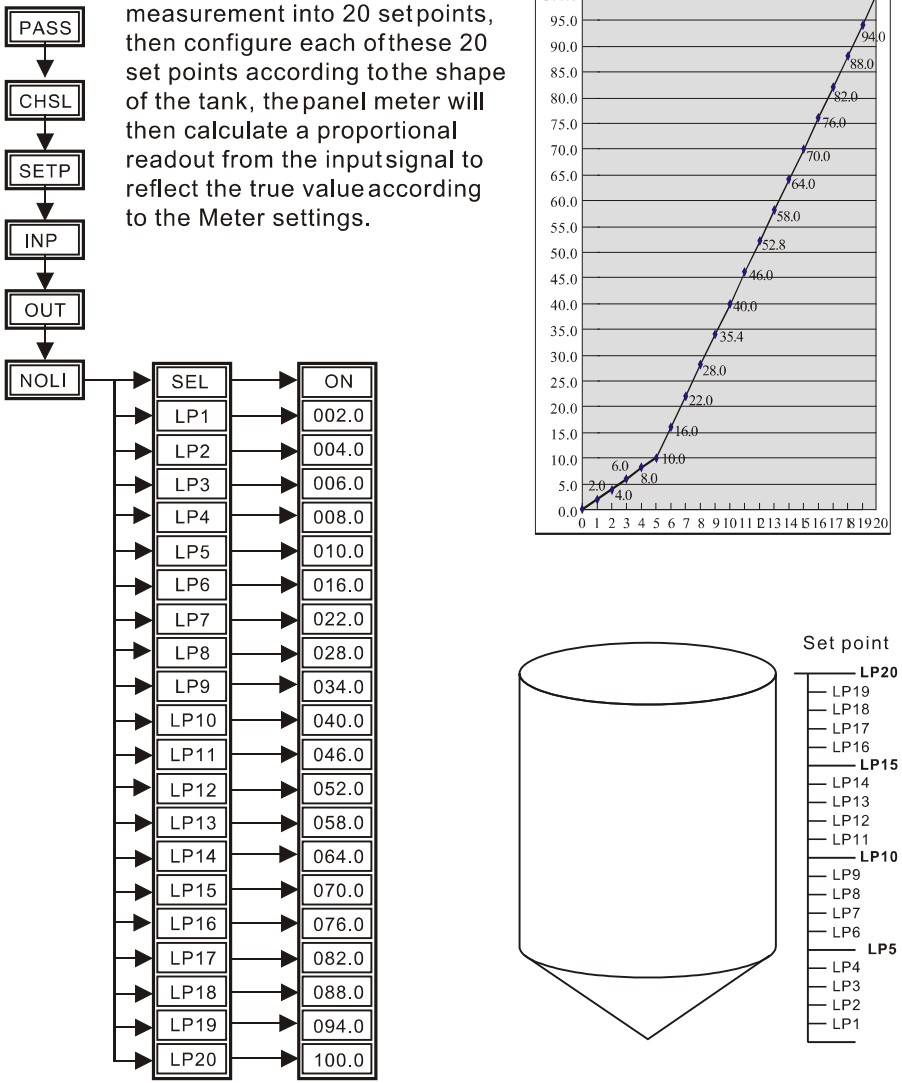



B. 3 wire 4~20mA current signal input example




## 3.5.4 Non-linear feature settings

**Special feature:**
Non-linear settings could be used in applications concerning non-conventional shaped tanks, thereby solving the problem for level v.s. volume measurement for non-linear tank shapes.



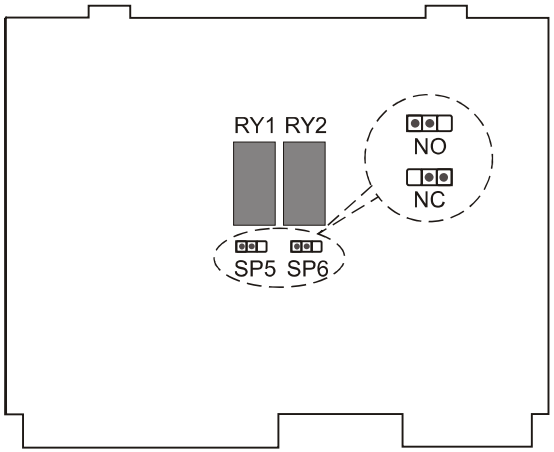
## 3.6 Output Signal Setting

### 3.6.1 Optional relay output setting

The optional relay output is switchable to NO (Normal Open) or NC (Normal Close), it is selectable by the jumper on the OCB (Output Control Board). The default setting is "NO".

- Model: TLI-1471

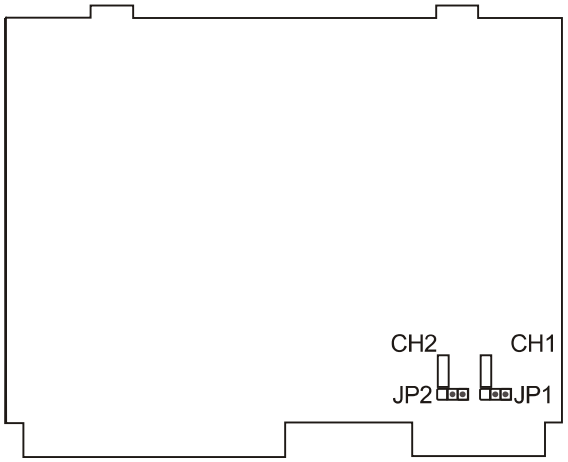
  SP5 and SP6 relay setting is as below drawing:




### 3.6.2 Analog output signal selection

Analog output signal (optional) provides 4~20mA or 0~10V signal, it can be selected by the jumper on the OCB (Output Control Board) for current output 4~20mA or voltage output (0~10V).

- Model: TLI-1471

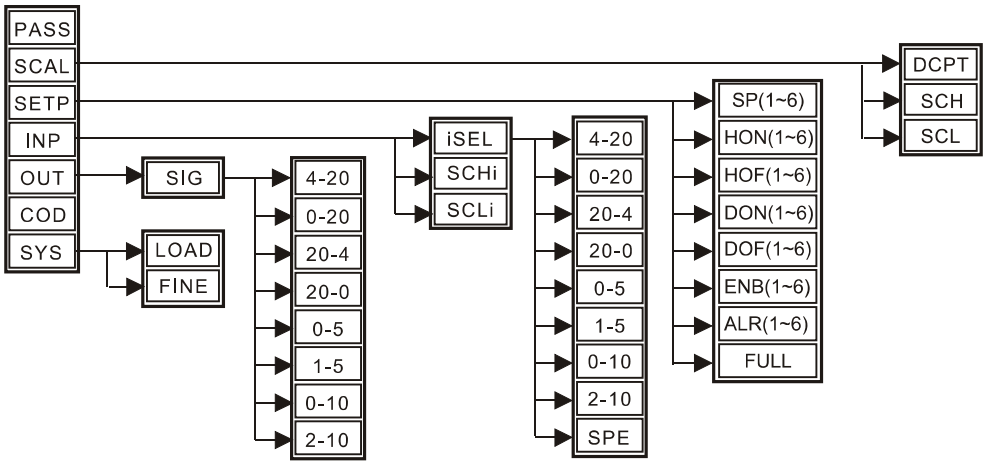



Channel 1 is selected by JP1
Channel 2 is selected by JP2

Jumper is for current output
Jumper is for voltage output

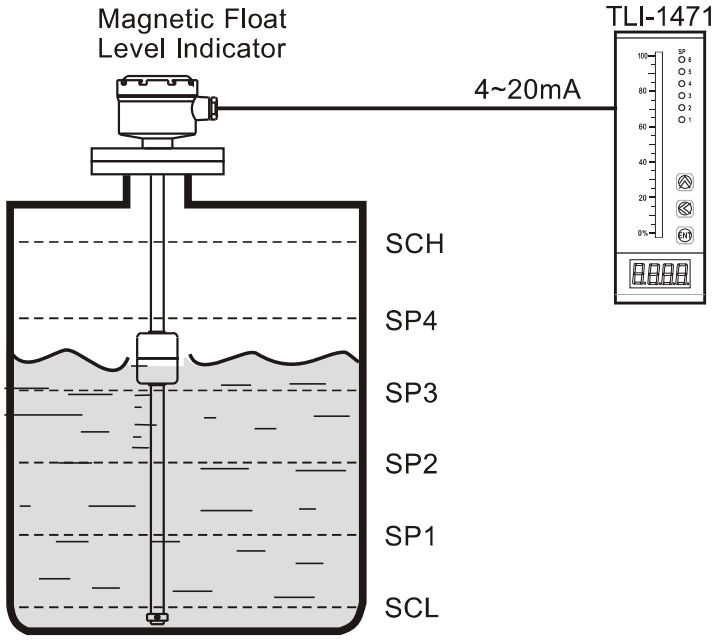
# 4. Program Setting Example

## 4.1 Diagram of Setting Values




## 4.2 Program Settings Example

Magnetic Float Level Indicator delivers a current output that change proportionately with level. The 4 ~ 20mA output could be used in conjunction with the TLI-1471 panel meter.

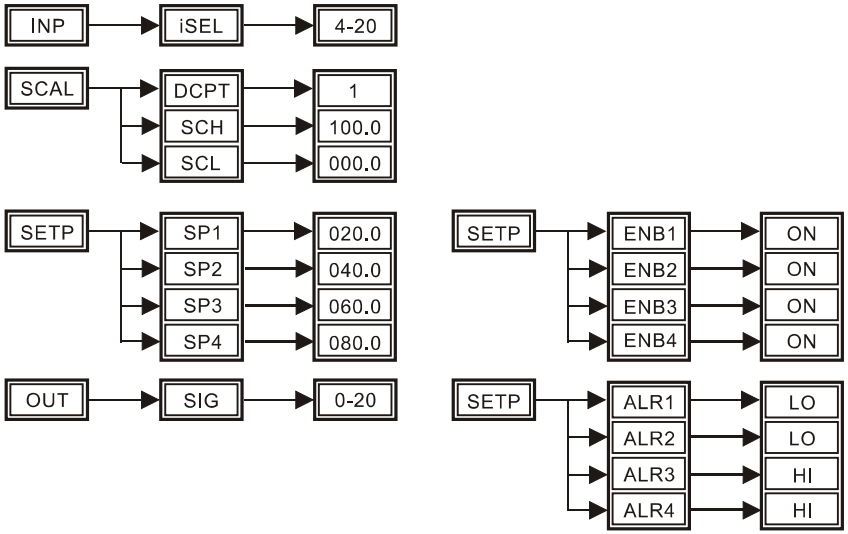



### 4.2.1 Example 1

**Application example:**

4mA represents 000.0 when the tank is empty
20mA represents 100.0 when tank is full
Set point 1 is set at 20% of full tank as low level alarm
Set point 2 is set at 40% of full tank as low level alarm
Set point 3 is set at 60% of full tank as high level alarm
Set point 4 is set at 80% of full tank as high level alarm
Linear proportional out signal
Proportional output: Empty tank: 0mA, Full tank: 20mA

Settings are as follows:



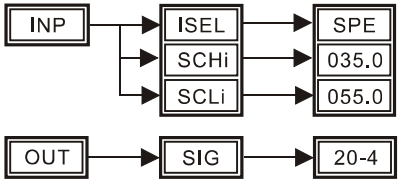

### 4.2.2 Example 2 (Special input signal range's proportional settings)

To address the problem of special input signal range that falls within 4~20mA, use of the command "SPE" is needed to program a proportionate setting for the input.
Example is using a capacitance level sensor,
Current Input range is 7mA ~ 11mA, to display 000.0% ~ 100.0%

Formula:
SCHi / SCLE set value =
Expected signal value
SIM signal selection x 100%

Settings are as follow:
Input current 7mA ~ 11mA

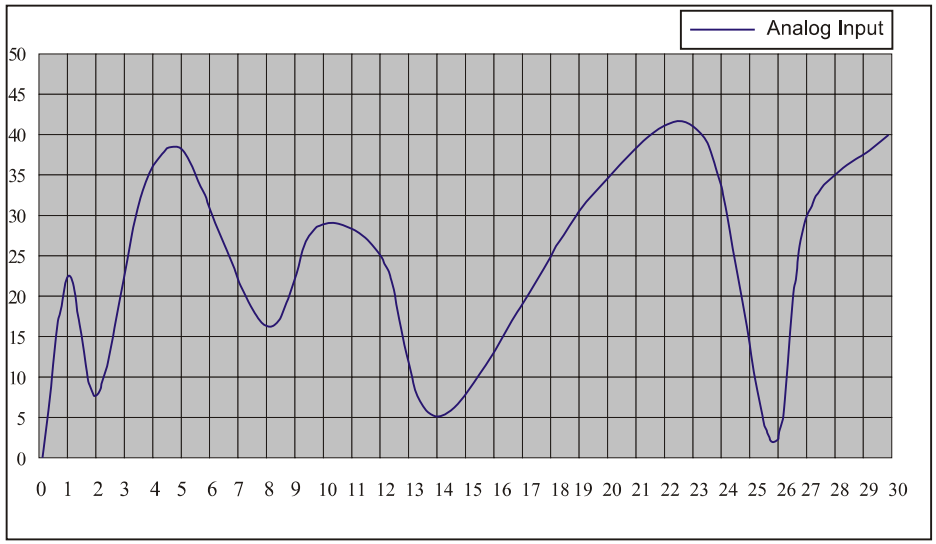
$SCLi = \frac{7}{20} X 100\% = 35\%$ $SCHi = \frac{11}{20} X 100\% = 55\%$



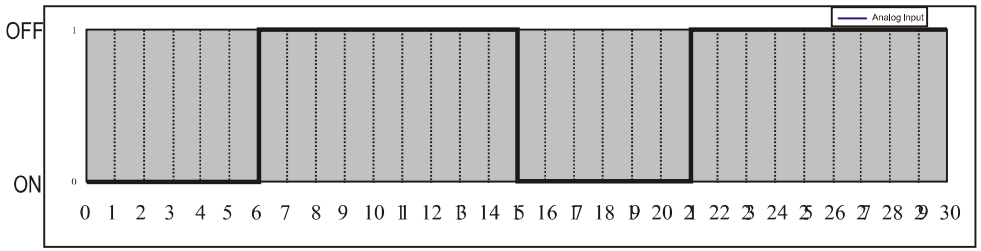
### 4.2.3 Example 3

Value Settings are as follows:

SCH=100.0 SCL=000.0 SP1=020.0 HON1=005.0 HOF1=010.0
DON=03 DOF=02 ENB1=ON ALR1=HI




Set point 1's action diagram:




## 5. Frequently Asked Questions & Troubleshooting

| Problem | Rectification method |
|---|---|
| Panel Face doesn't lights up | 1) Check power supply wire is it connected wrongly or not connected.<br>2) Check whether the power supply is within range. |
| Relay Contact fails to action | 1) Check whether LED indication on the panel face is doing action.<br>2. Check whether wiring on the terminals are connected correctly. |
| Panel face LED indicators and Relay contacts no action or not working properly. | 1) Enter operation menu, check "Enb 1~6" is ON (Default is ON)<br>2) Enter operation menu, check "don 1~don6", "doF 1~doF6" has any set value.<br>3) Enter operation menu, check "Hon 1~Hon6", "HoF 1~HoF6" has any set value.<br>4) Enter operation menu, check "RLt 1~RLt6" has the same value as factory default. |
| Proportional signal input does not correspond to panel display | Enter operation menu, check "SCH", "SCL", ", SEL", "SCH," & "SCL," is configured correctly. |
| No change in display and bargraph after proportionate input signal | Check input signal connection is connected correctly or is it loose. |