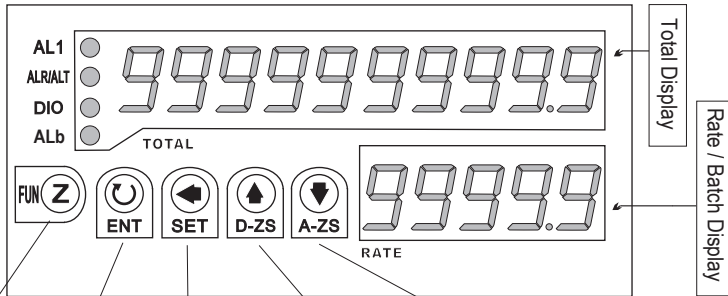


## KEY FUNCTIONS

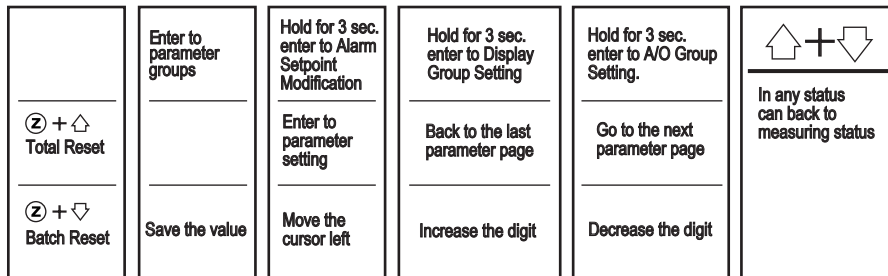


Function Key    Enter Key & Save Key    Shift Key & Alarm Setting Key    Up Key & Display Setting Key    Down Key & A/O Setting Key

Measuring Status

Parameter Page

Parameter Setting



## WIRING CONNECTION

## Output Function

- A/O Output
- RS-485 Output



## Power

- AC Power
- DC Power



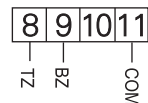
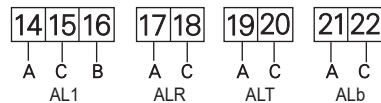
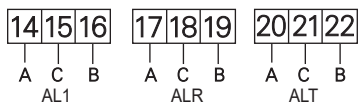
## Input Function

- Voltage
- Current

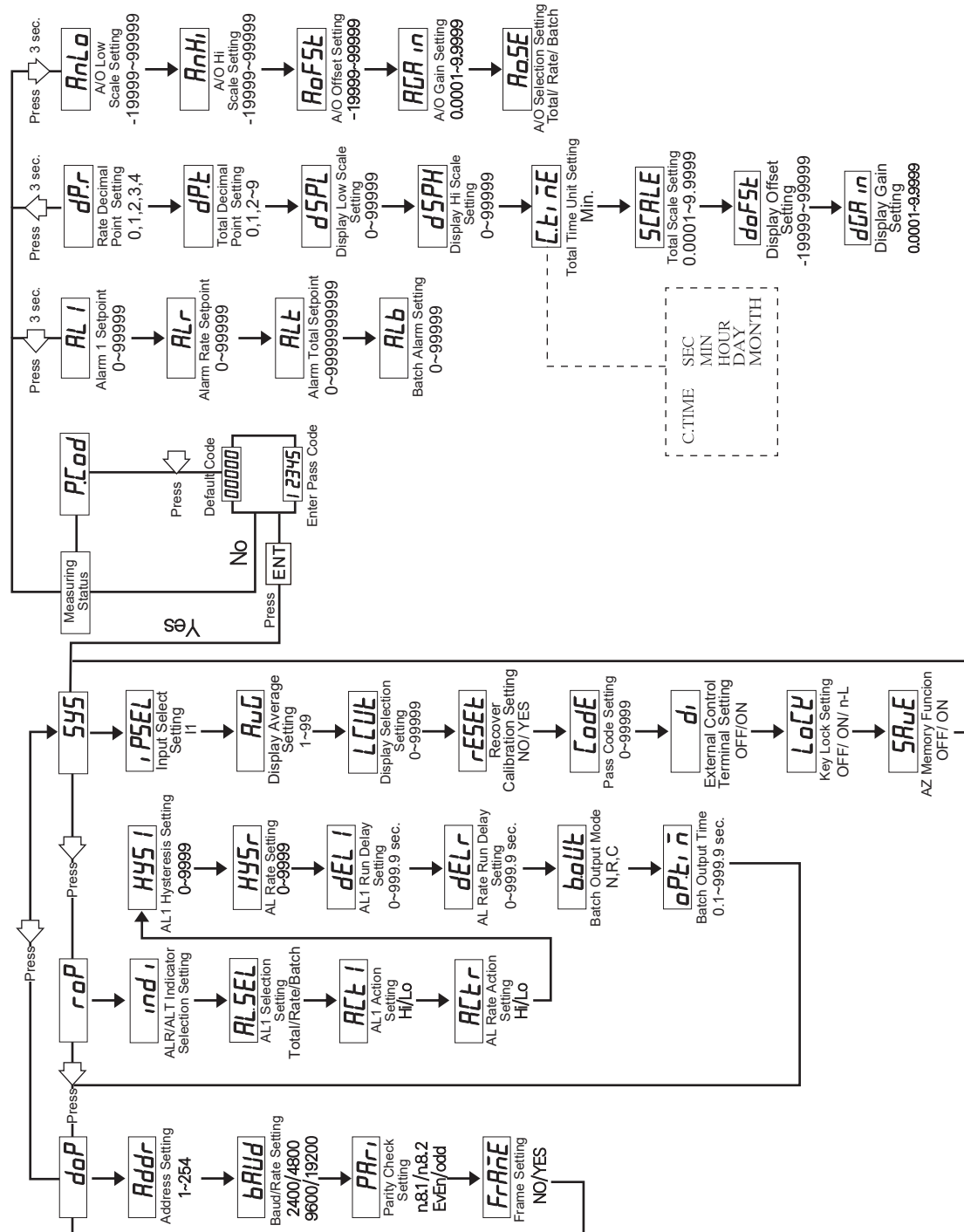
## External Control Function

## Relay Function

- Relay x1~3
- Relay x4



## Programming Mode Operating Procedures



## Modbus RTU Mode Protocol Address Table

\*\* Data form: 16 / 32 bit, +/-8000~7FFF(-32768~32767), 800000007FFFFFFF(-2147483648~2147483647)

| Modbus | Hex  | Name   | Act | Discriptions                                                                                                                                                                                                                                            |
|--------|------|--------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 40002  | 0001 | STATUS | R   | Current alarm output & external control input status, range: 0000~00F0 (0~240)<br>(Bit 7: P/O, Bit 6: ALB, Bit 5: ALR, Bit 4: AL1) 0:Off, 1:On                                                                                                          |
| 40004  | 0003 | DPT    | R/W | Decimal point setting, range: 0000~0009 (0~9);<br>0:10 <sup>0</sup> , 1:10 <sup>1</sup> , 2:10 <sup>2</sup> , 3:10 <sup>3</sup> , 4:10 <sup>4</sup> , 5:10 <sup>5</sup> , 6:10 <sup>6</sup> , 7:10 <sup>7</sup> , 8:10 <sup>8</sup> , 9:10 <sup>9</sup> |
| 40005  | 0004 | BAUD   | R/W | Baud rate setting; range: 0000~0003 (0~3) 0:2400, 1:4800, 2:9600, 3:19200                                                                                                                                                                               |
| 40006  | 0005 | PARI   | R/W | Parity setting; range: 0000~0003 (0~3), 0:N.8.1., 1:N.8.2., 2:EVEN, 3:ODD                                                                                                                                                                               |
| 40007  | 0006 | DPR    | R/W | Rate decimal point setting, range: 0000~0004 (0~4);<br>0:10 <sup>0</sup> , 1:10 <sup>1</sup> , 2:10 <sup>2</sup> , 3:10 <sup>3</sup> , 4:10 <sup>4</sup>                                                                                                |
| 40008  | 0007 | LCUT   | R/W | Display low cut setting; range: 0000~270F (0~9999)                                                                                                                                                                                                      |
| 40009  | 0008 | ADDR   | R/W | Address setting; range: 0000~00FF (1~254)                                                                                                                                                                                                               |
| 40019  | 0012 | CODE   | R/W | Pass code setting; range: 00000000~0001869F(0~99999)Hi Bit                                                                                                                                                                                              |
| 40020  | 0013 |        | R/W | Pass code setting; range: 00000000~0001869F(0~99999)Low Bit                                                                                                                                                                                             |
| 40021  | 0014 | DSPL   | R/W | Hi byte, range: 00000000~0001869F (0~99999)                                                                                                                                                                                                             |
| 40022  | 0015 |        | R/W | Lo byte, range: 00000000~0001869F (0~99999)                                                                                                                                                                                                             |
| 40023  | 0016 | DSPH   | R/W | Hi byte, range: 00000000~0001869F (0~99999)                                                                                                                                                                                                             |
| 40024  | 0017 |        | R/W | Lo byte, range: 00000000~0001869F (0~99999)                                                                                                                                                                                                             |
| 40039  | 0026 | ALR    | R/W | Rate alarm setting, range: 00000000~0001869F (0~99999) hi Bit                                                                                                                                                                                           |
| 40040  | 0027 |        | R/W | Rate alarm setting, range: 00000000~0001869F (0~99999) Low Bit                                                                                                                                                                                          |
| 40041  | 0028 | AL1    | R/W | Alarm 1, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                         |
| 40042  | 0029 |        | R/W | Alarm 1, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                         |
| 40043  | 002A |        | R/W | Alarm 1, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                         |
| 40044  | 002B |        | R/W | Alarm 1, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                         |
| 40045  | 002C | ALT    | R/W | Total alarm, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                     |
| 40046  | 002D |        | R/W | Total alarm, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                     |
| 40047  | 002E |        | R/W | Total alarm, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                     |
| 40048  | 002F |        | R/W | Total alarm, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                     |
| 40057  | 0038 | TOTAL  | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40058  | 0039 |        | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40059  | 003A |        | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40060  | 003B |        | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40065  | 0040 | RATE   | R   | Rate display, range: 00000000~0001869F (0~99999) Hi Bit                                                                                                                                                                                                 |
| 40066  | 0041 |        | R   | Rate display, range: 00000000~0001869F (0~99999) Low Bit                                                                                                                                                                                                |
| 40067  | 0042 | RATE   | R   | Rate display, range: 00000000~0001869F (0~99999) Hi Bit                                                                                                                                                                                                 |
| 40068  | 0043 |        | R   | Rate display, range: 00000000~0001869F (0~99999) Low Bit                                                                                                                                                                                                |
| 40069  | 0044 | BATCH  | R   | Batch display, range: 00000000~0001869F (0~99999) Hi Bit                                                                                                                                                                                                |
| 40070  | 0045 |        | R   | Batch display, range: 00000000~0001869F (0~99999) Low Bit                                                                                                                                                                                               |
| 40071  | 0046 | TOTAL  | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40072  | 0047 |        | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40073  | 0048 |        | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |
| 40074  | 0049 |        | R   | Total display, range: 0000000000000000~00000002540BE3FF (0~999999999)                                                                                                                                                                                   |

## ERROR CODE OF SELF-DIAGNOSIS

*ioFL*

Input signal is over 120% of input range.

*doFL*

Input signal is over display range (999999).

*E-oo*

EEPROM reading / writing suffers the interference ( about 1 million times).