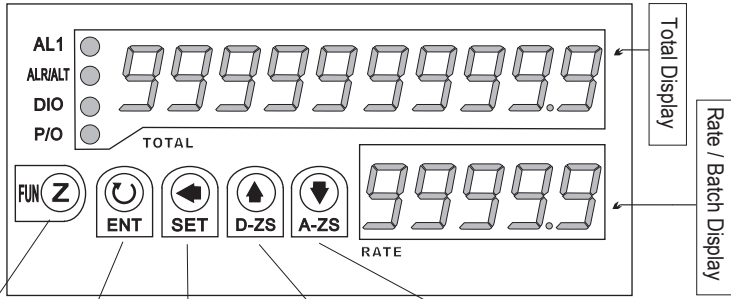


### KEY FUNCTIONS



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

Measuring Status		Hold for 3 sec. enter to Alarm Setpoint Modification	Hold for 3 sec. enter to Display Group Setting	Hold for 3 sec. enter to A/O Group Setting.	<p>In any status can back to measuring status</p>
Parameter Page	Ⓣ + ⬆ Total Reset	Enter to parameter groups	Back to the last parameter page	Go to the next parameter page	
Parameter Setting	Ⓣ + ⬇ Batch Reset	Save the value	Increase the digit	Decrease the digit	

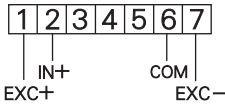
### WIRING CONNECTION

#### Output Function

- A/O Output
- RS-485 Output
- AC Power
- DC Power

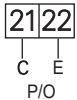
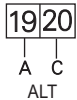
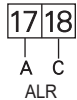
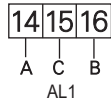
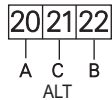
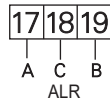
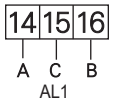


#### Input Function

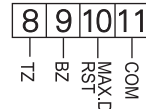


#### Relay Function

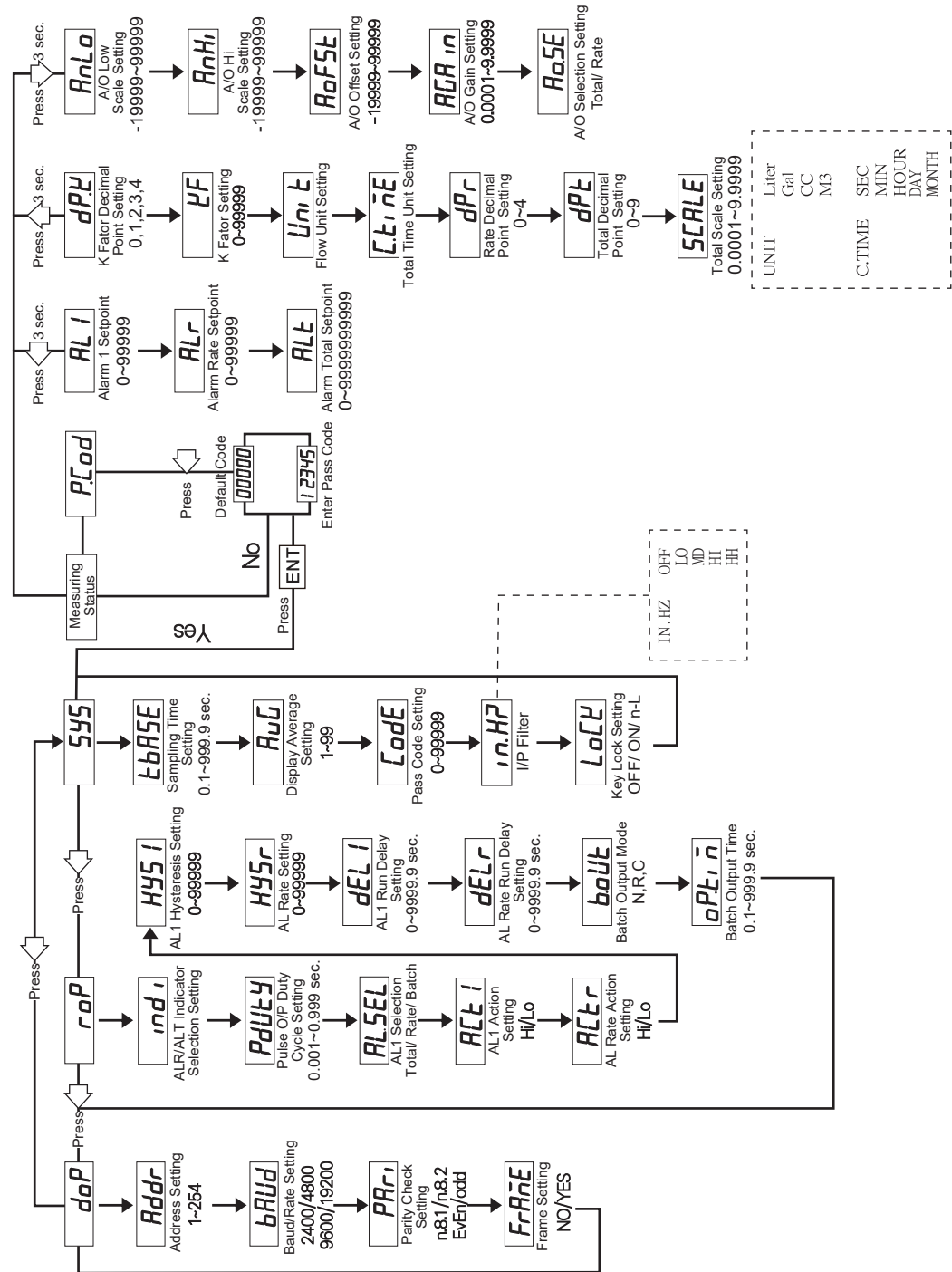
- Relay x1-3
- Relay x4 Relay x3, Pulse Output



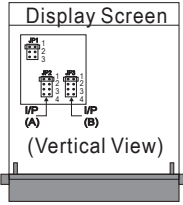
#### External Control Function



### Programming Mode Operating Procedures



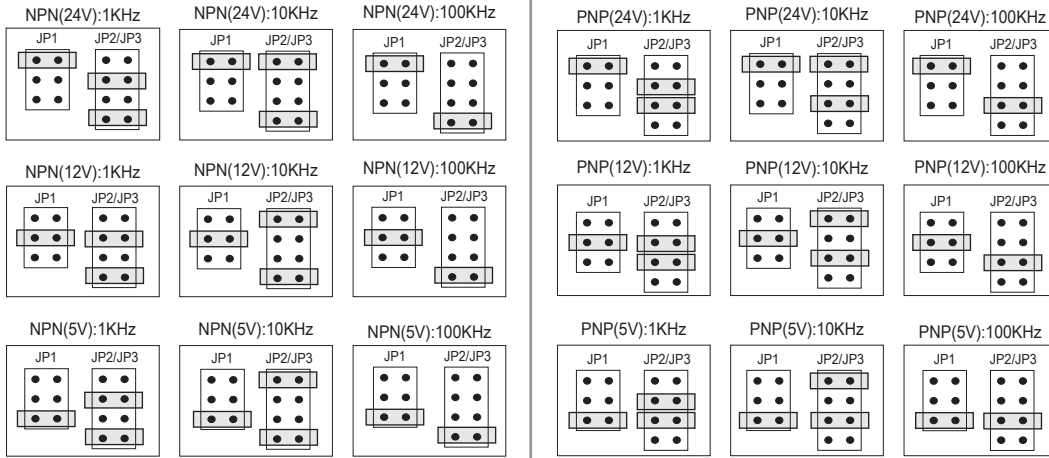
# Input Signal Modification



\*\*To Select the pin to modify the input signal for different sensors.  
PS: In dual input type, excitation power must be the same.

JP1	JUMPER	DEFINITION
	1	Close: 24V
	2	Close: 12V
	3	Close: 5V

JP2/JP3	JUMPER	DEFINITION
	1	Close: 10KHz
	2	Open: 100KHz
	3	Open: NPN; Close: PNP
	4	Open: PNP; Close: NPN



## 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).

## 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) (Bit 7: P/O, Bit 6: ALT, Bit 5: ALR, Bit 4: AL1) 0:Off, 1:On
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	AVG	R/W	Display average setting; range: 0001~0063 (1~99)
40008	0007			
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	DPK	R/W	K factor decimal point setting, range: 0000~0004 (0~4); 0:10 <sup>1</sup> ; 1:10 <sup>2</sup> ; 2:10 <sup>3</sup> ; 3:10 <sup>4</sup> ; 4:10 <sup>5</sup>
40022	0015	DPR	R/W	Rate decimal point setting, range: 0000~0004 (0~4); 0:10 <sup>1</sup> ; 1:10 <sup>2</sup> ; 2:10 <sup>3</sup> ; 3:10 <sup>4</sup> ; 4:10 <sup>5</sup>
40023	0016	DPT	R/W	Decimal point setting, range: 0000~0009 (0~9); 0:10 <sup>1</sup> ; 1:10 <sup>2</sup> ; 2:10 <sup>3</sup> ; 3:10 <sup>4</sup> ; 4:10 <sup>5</sup> ; 5:10 <sup>6</sup> ; 6:10 <sup>7</sup> ; 7:10 <sup>8</sup> ; 8:10 <sup>9</sup> ; 9:10 <sup>10</sup>
40024	0017	KF	R/W	K factor setting, range: 00000001~0001869F (1~99999) Hi Bit
40025	0018		R/W	K factor setting, range: 00000001~0001869F (1~99999) Low Bit
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)
40061	003C	MAX.D	R	Max. displacement display, range: 00000000~0001869F (0~99999) Hi Bit
40062	003D		R	Max. displacement display, range: 00000000~0001869F (0~99999) Low Bit
40063	003E	DEMAND	R	Displacement display, range: 00000000~0001869F (0~99999) Hi Bit
40064	003F		R	Displacement display, range: 00000000~0001869F (0~99999) Low Bit
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
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)