## Key Function

PV(Upper LED) : Actual measured value/ mode display
SV(Lower LED) : Set value/mode content display
OUT1 : Output 1 indicator
OUT2 : Output 2 indicator
Hz : Frequency function indicator
RPM : Speed function indicator
RPL : Line speed function indicator
RUN : Instrument operation indicator
SET : Confirm key
RST : Reset key
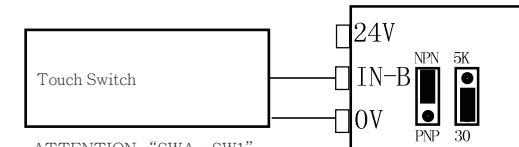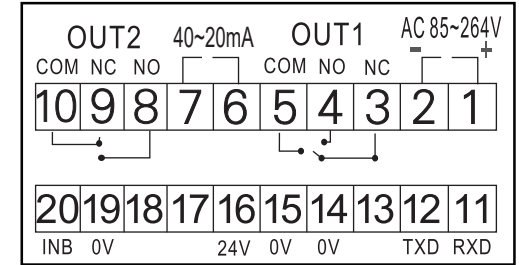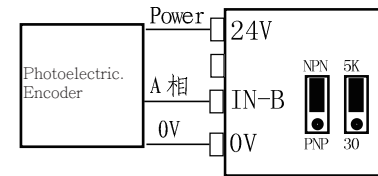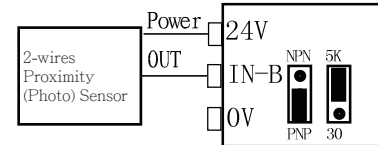1-6 : Number setting key, parameter modification key

Each digit setting key

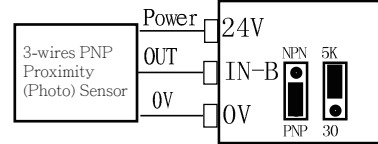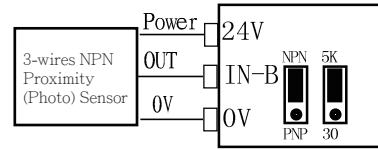Enter key & Save key

Reset key
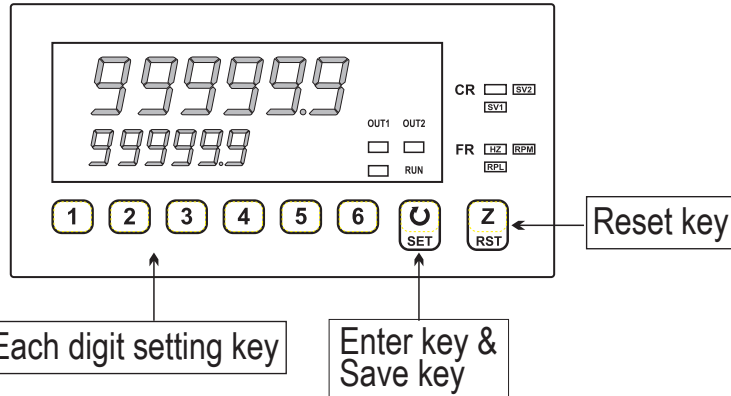
Name	Symbol	Description
Enter key & Save key	[SET]	1. In the measuring status, press this key can enter to alarm setting group. 2. In the parameter setting, press this key can save the value & go to next parameter
Reset key	[RST]	In any case, press the RST key, return to zero, and return to relay.
Each digit setting key	[1][2][3] [4][5][6]	1. When setting the alarm value, press each number key to set the alarm value. 2. On the parameter setting page, press any digit key to enter the modified value set the program, and the display data will be incrementally displayed. 3

1. The following operation flow screens are (setting page code) and can be modified (the setting value will match (setting page code) flashing alternately.

2. Modify (set value) all by pressing any number key. After modification, be sure to press the enter parameter setting key([SET]).

3. If you have to change the customs clearance password, you must remember it, otherwise you cannot enter it again later (parameter setting.

**When using the two alarm model, SV2 must > SV1.

Wiring Connection

3-wires NPN Proximity (Photo) Sensor — Power 24V, OUT, IN-B, 0V, 0V (NPN 5K / PNP 30)

3-wires PNP Proximity (Photo) Sensor — Power 24V, OUT, IN-B, 0V, 0V (NPN 5K / PNP 30)

2-wires Proximity (Photo) Sensor — Power 24V, OUT, IN-B, 0V, 0V (NPN 5K / PNP 30)

Photoelectric. Encoder — Power 24V, A 相 IN-B, 0V, 0V (NPN 5K / PNP 30)

OUT2 40~20mA OUT1 AC 85~264V

10	9	8	7	6	5	4	3	2	1
COM	NC	NO			COM	NO	NC		

20	19	18	17	16	15	14	13	12	11
INB	0V			24V	0V	0V		TXD	RXD

Touch Switch — 24V, IN-B, 0V (NPN 5K / PNP 30)

ATTENTION: "SWA、SW1" Switch in the meter

Programming Mode Operating Procedures

Initial data setting method.

Measurement State
↓ Press SET key
SV2 Indicate or bright
SV2
↓ Press SET key — Press 1-6 number key to modify
SV1 indicator bright
SV1
↓ Press SET key — Press 1-6 number key to modify
Measurement state

Measurement state
↑ Press SET key
LCK lock parameter
0000
↑ Press SET key — Press 3-6 any one number key to modify
ADR communication address
00
↑ Press SET key — Press 1-6 any one number key to modify
BOT communication baud rate
9600
— Press 1-6 any one number key to modify

Meter operation parameter setting method

Measurement State
↓ Press SET key 5 seconds
MOD method sign
Hz
— Press 1-6 any one number key to modify
Hz: cymometer   RPM: tachometer
RPL: line speed meter
↓ Press SET key
P rate
1. 00000
— Press 1-6 number key to modify SV1
— Press RST key to change decimal point position
↓ Press SET key
DPSV measurement data decimal point position
— — — — — • — —
— Press 1-6 any one number key to modify
↓ Press SET key
GAT Measured period
1
— Press 1-6 any one number key to modify
0.5# 1# 5# 10 second
↓ Press SET key
HY alarm hystersis
0001. 00
— Press 1-6 number key to modify
↓ Press SET key
OUL low transmission
0000. 00
— Press 1-6 number key to modify
↓ Press SET key
OUH high transmission
0100. 00
— Press 1-6 number key to modify
↓ Press SET key

Code	name	Instruction	Initial date
�d / MOD	Measured method	Hz Cymomter RPM Tachomter RPL Line speed meter	Hz
P / P	Rate	The P can be setted When the MOD is "RPL". example1： Encoder resolution=1000C/T，IF perimeter L=2πR=1CM， then P=L/1000=1/1000=0.001CM example2：the wheel is being 10 hole，IF perimeter L=2πR=1CM， then P=L/10=1/10=0.1CM	1. 00000
dPSU / DPSV	Measurement data decimal point position	DPSV=------：0～5000Hz（0 decimal point）0～999999 RPM DPSV=------.-：0.0～5000.0Hz（1decimal point）0.0～99999.9 RPM DPSV=---.--：0.00～999.99Hz（2decimal point）0.00～999.99 RPM DPSV=--.---：0.000～99.999Hz（3decimal point）0.000～99.999 RPM	---- -.
GAt / GAT	Measured period	GAT=0.5：500mS(Measured one tims);GAT=1：1second(Measured one tims); GAT=5：5second(Measured one tims); GAT=10：10second(Measured one tims);	1
HY / HY	Alarm hystersis	The parameter can not be modify when the meter be ues with display only.	000.0
oUL / OUL	Low transmission	The parameter can be modify when the meter be provided with transmission.	0000.0
oUH / OUH	High transmission	The parameter can be modify when the meter be provided with transmission.	1000.0
Adr / ADR	Communication address	The parameter can be modify when the meter be provided with communication.	00
bot / BOT	Communication baud rate	The parameter can be modify when the meter be provided with communication.	9600
Lck / LCK	Lock parameter	LCK=0000，all the parameter can be modify； LCK=0001，all the parameter can not be modify but "LCK SV1 SV2"； LCK=else，all the parameter can not be modify but "LCK"；	0000

GAT(Measured period)	Measured range
0.5second	2～5000Hz(cymometer) 120～999999RPM(tachometer)
1second	1～5000Hz(cymometer) 60～999999RPM(tachometer)
5second	0.2～5000Hz(cymometer) 12～999999RPM(tachometer)
10second	0.1～5000Hz(cymometer) 6～999999RPM(tachometer)

Attached picture ：output method logic relationship