

SMM1312 说明书

- ★ Joins all brand of SSI signal sensor
- ★ SSI signal can while redundant equipment connection PLC of SSI module and this paragraph instrument
- ★ powerful of signal and power anti-interference fault-tolerant function, more reliable security
- ★ 10-26 bit can adjustable, grid mine code, and pure II into business code can selected
- ★ single circle, and more circle absolute coding device, magnetic to telescopic line sensor
- ★ intelligent of Panel set, variety function displacement control application
- ★ RS485 digital communications, and 4-20mA, and 4-8 points switch variety output signal



Model SMM1312

installation form: open hole installation

shape size (wide advanced): 160x80x120

instrument open hole size: 152x74

digital displayed bit number: 6 bit

input signals: SSI synchronization series signal 10-26 bit; 1 bit external reset bit signal

switch output number: 4-8 (following electrical, each location a normal open a normal closed); Panel preset, switch form set

location signal output: 2 channel location signal output, 1 channel 4-20mA analog, and 1 channel RS485 communications digital out

Signal adjustment: can set 4, and 20mA corresponds to value, can 4, and 20mA output value fine-tuning zero, and adjustable full communications, or zero point

protocol: can Panel set address and speed rate

zero setting: intelligent set or external switch reset

work voltage: 24Vdc (220Vac can custom)

supply power: can provides sensor work power (indicate voltage and power flow)

work temperature: -10 °C ~60 °C

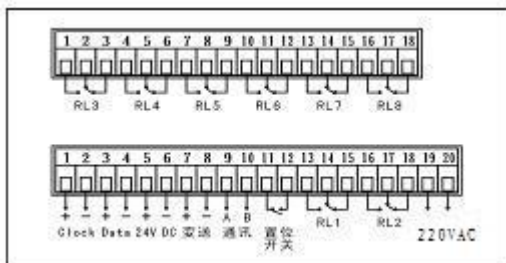
relative humidity: <85%

proportion : coefficient Linear displacement sensor code value scaling

direction set: forward and backward direction

remote display: two signals, one into the PLC, the other into the remote display instrument

SMM1312 CONNECTORS :



Pins:	connections	definition
Up 1-2	CLOCK + -	SSI signal CLOCK+/- (or T+、T-)
Down 3-4	Date + -	SSI out Date+/-
Down 5-6	Out power DC	+12-24Vdc 、0V(200mA)
Down 7-8	Output 4-20mA + -	4—20mA out +/-
Down 9-10	Signals A B	RS485 output A B
Down 11-12	220VAC	Power supply,
Down 13-15	RL1 OUT1	Relay switch 1 Normal Open or Normal Close
Down 16-18	RL2—RL8 OUT2—OUT8	Relay switches 2--8 Normal Open or Normal Close

Note: the above is for informational purposes only, and to deliver product specification shall prevail

✳Parameters Setting:

一. Button description:

Buttons	1Setting 	Press and hold 3 seconds without releasing into a State of settings, to OA appears, enter the password
	2Left 	In a State of settings: 1, promote out the original value 2, move the original parameter value changes
	3Confirm MOD 	1, switch the display 2, in a State of settings, determined in the modified parameter values
	4Add 	In a State of settings to increase the parameter value
	5Minus 	In a State of settings reduces the parameter value, non-setting State, press and hold 3 seconds the current bits

二. Parameters description:

First group:

Symbol	Name	content
	Au	Switch point setting
	H1	The first alarm setting value
	H2	The second alarm setting value
	H3	The third alarm setting value
	H4	The forth alarm setting value
	H5	The fifth alarm setting value
	H6	The sixth alarm setting value
	H7	The seventh alarm setting value
	H8	The eighth alarm setting value

Second group:

	oA	Password. Setting 1234 is valid
	Alo1	The first alarm mode (detail see alarm mode)
	Alo2	The second alarm mode
	Alo3	The third alarm mode
	Alo4	The forth alarm mode
	Alo5	The fifth alarm mode
	Alo6	The sixth alarm mode
	Alo7	The seventh alarm mode
	Alo8	The eighth alarm mode

Third group:

	Fi	Each turn corresponds to the height (length) settings, or ruler corresponding to the total length
	Lo	Set value, or 0 (Panel set or external switch when set to the current value)
	In-d	Display decimal places selected  keys to adjust
	Aclr	Panel  keys set option (when ON press  for 3 seconds for reset)
	Yclr	External reset options ON external reset effective
	d-r	Forward/reverse display option, when ON reverse display
	Job	Working mode selection (see working mode description)

bit	Bit	Enter digits (24 or 25 for multi turns, 10-24bit for single turn)
in	In	Encoding of the input signal (0 is binary, others gray code)

Forth group:

Add	Add	Communicate address
baud	Baud	Communicate rate selection
oal	Oa1	Alarm set password select
op	Op	output signal selection
ba-l	Ba-l	Transmitter output lower limit
ba-h	Ba-h	Transmitter output upper limit
	BA0	Transmitter output a zero-point adjustment

※Parameter special notes:

一、working point setting

1. Encoder in alternating 0 and 4096 revolutions in the work process issues, in order to avoid 0 and 4096 revolutions in alternate issues, prior to a tour of the encoder. Instrument power must first set, within the scope of instruments to work in normal display.
2. After the encoder to a circle, when set to ON, press and hold the button  for 3 seconds, this location is set to the original position of the encoder, or when Reset set to ON, external reset switch closed (short), when the location is set to the original position.

二、working mode description:

job	d-r	Display
0	off	(encoder current position —reset position) * FI
	on	— (encoder current position —reset position) * FI
1	\	encoder current position —reset position * FI

normal working station set is 0

三、alarm mode description:

when ---H : upper limit alarm, Measured value > set value, then alarm.

when ---L : lower limit alarm, Measured value < set value, then alarm.

四、communicate :

Data format for 10-bit, 1 start bit, 8 data bits, no parity bit, 1 stop bit. All the instructions transmitted in ASCII code. Add = 0 for the active transmit mode

Active transmit mode: once every 100ms or so, send contents include "=", the data, symbol, 6-bit data, the decimal point position, end "e".

Example: 123.456 measurement data is sent:

3D、2B、31、32、33、2E、34、35、36、0D

= + 1 2 3 • 4 5 6 e

format: see communications protocol.

✂Order notes:

1. Product installation model
2. Sensor number, single-or multi-turn
3. Switch output nodes
4. Analog output
5. RS485 or transform to RS232 unsolicited form
6. Instruments can be customized OEM, specifications parameters conflict with the actual, please contact QIYI company for technical services

Shanghai QIYI Electrical & Mechanical Equipment Co., Ltd

上海齐屹机电设备有限公司