Modbus RTU Mode Protocol Address Table

HEX	Name	Descriptions	Act.
0000	DISPLAY	The current pressure display (value must match the "UNIT" setting.) ➔02 03 00 00 00 01 84 39 (02 03 02 00 09 3C 42)	R
0001	UNIT	Display units and decimal point settings (0x0000~0x0005) 0: Pa 1:inWC 2:mmWC 3:ps 4:mbar 5:kPa ➔02 03 00 01 00 01 D5 F9 (02 03 02 00 01 3D 84) ➔02 06 00 01 00 02 59 F8 (02 06 00 01 00 02 59 F8)	R/W
0002	DP	Decimal point position input range 0000-0004 (0~4) 0: No decimal point 1: XXX.X 2:XX.XX 3:X.XXX X 4: .XXXX ➔02 03 00 02 00 01 25 F9 (02 03 02 00 01 3D 84)	R
0003	ZERO	Device automatic zeroing trigger 0:NO 1:YES(trigger) ➔02 06 00 03 00 01 B8 39 (02 06 00 03 00 01 B8 39)	W
0004	UPDATE-TIME	Set LCD display reaction time (unit: 0.1 seconds, range: 0-2.0) Default value: 0.5 s (0.1s~1.0s is the first order of 0.1s, and after 1s, it is the first order of 1s Level). ➔02 03 00 04 00 01 C5 F8 (02 03 02 00 02 7D 85) ➔02 06 00 04 00 02 49 F9 (02 06 00 04 00 02 49 F9)	R/W
0005	RANGE	Pressure range detection (0x8000~0x7FFF) ➔02 03 00 05 00 01 94 38 (02 03 02 09 EC FB 99)	R
0020	ID	Communication address, input range 0000-00FF(0~247) ➔02 03 00 20 00 01 85 F3 (02 03 02 00 02 7D 85) ➔02 06 00 20 00 01 49 F3 (02 06 00 20 00 01 49 F3)	R/W
0021	BAUD	Communication baud rate, input range (0-2: 38400, 19200, 9600) ➔02 03 00 21 00 01 D4 33 (02 03 02 00 01 3D 84) ➔02 06 00 21 00 02 58 32 (02 06 00 21 00 02 58 32)	R/W
0022	PARI	Communication synchronization detection bit 0: NONE 1: ODD 2: EVEN ➔02 03 00 22 00 01 24 33 (02 03 02 00 00 FC 44) ➔02 06 00 22 00 00 29 F3 (02 06 00 22 00 00 29 F3)	R/W
0023	LOCK	Key lock 0:NO 1:YES (lock) ➔02 03 00 23 00 01 75 F3 (02 03 02 00 00 Fc 44) ➔02 06 00 23 00 01 B9 F3 (02 06 00 23 00 01 B9 F3)	R/W
0024	firmware	Software Version ➔02 03 00 24 00 01 C4 32 (02 03 02 63 30 D4 A0)	R

Error CMD :

When unproper CMD is received, such as error data, error CRC. Will reply

If error CMD send:

01 06 00 0A 00 01 02 00 05 XX XX

DATA 00 05 is error (should be 00 00 - 00 03), reply:

01 86 02 XX XX

01: ID error

02:Data error

03:CRC error)

FUN CODE: 03 (REQUEST)					
ID	FUN	ADDR	WORD	CRC16	MEMO
0x01	0x03	0x00 0x00	0x00 0x01	0x84 0x0A	Query pressure detection range
FUN CODE: 03 (RESPONSE)					
ID	FUN	BYTE	DATA	CRC16	MEMO
0x01	0x03	0x02	0x13 0x88	0xB5 0x12	The response pressure detection range is 5000

FUN CODE: 03 (REQUEST)					
ID	FUN	ADDR	WORD	CRC16	MEMO
0x01	0x03	0x00 0x02	0x00 0x01	0x25 0xCA	Inquire about pressure measurement units
FUN CODE: 03 (RESPONSE)					
ID	FUN	BYTE	DATA	CRC16	MEMO
0x01	0x03	0x02	0x00 0x00	0xB8 0x44	Response the current pressure measurement unit is inWC
FUN CODE: 03 (ERROR MESSAGE)					
ID	**FUN**	**BYTE**	**DATA**	**CRC16**	**MEMO**
0x01	**0x83**	**0x01**	**0x01**	**0x31 0x88**	WORD error in response to inquiry.
0x01	**0x83**	**0x01**	**0x00**	**0xF0 0x48**	WORD error in response to inquiry.
FUN CODE: 06 (REQUEST)					
ID	FUN	ADDR	DATA	CRC16	MEMO
0x01	0x06	0x00 0x00	0x09 0xC4	0x8E 0x09	Set the pressure detection range to 2500
FUN CODE: 06 (RESPONSE)					
ID	FUN	ADDR	DATA	CRC16	MEMO
0x01	0x06	0x00 0x00	0x09 0xC4	0x8E 0x09	Response pressure setting detection range

OPERATING PROCEDURES

SELECT

Setting1 | FS:1000 Pa

SET1 Display pressure unit and max pressure range

SELECT

Setting2 | ADDRESS 1

UP / DOWN

SET2 Choose address of Modbus:1...247,
press SELECT to set.
Display: 1

SELECT

Setting3 | BAUD RATE 9600

UP / DOWN

SET3 Choose BAUD RATE: 9600/19200/38400,
press SELECT to set.
Display: 9600

SELECT

Setting4 | PARITY BIT NONE

UP / DOWN

SET4 Choose PARITY BIT: None/Even/Odd,
press SELECT to set.
Display: None

SELECT

Setting5 | PRESS. UNIT Pa

UP / DOWN

SET5 Choose PRESSURE UNIT: Pa/inWC/mbar/hPa/kPa,
press SELECT to set.
Display: Pa

SELECT

Setting6 | RESPONSETIME 0.5s

UP / DOWN

SET6 Choose RESPONSE TIME: 0.1~10sec,
press SELECT to set
Display: 0.5s

SELECT

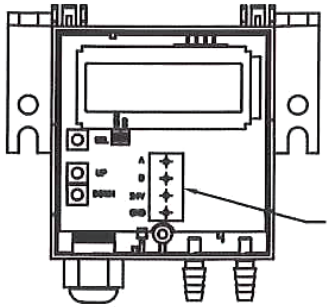
Setting7 | SELECT END

SELECT

SET7 Press SELECT back to menu

WIRING CONNECTION

● RS-485 Modbus RTU



A Modbus signal output
B Modbus signal output
24 VDC power
GND

Zero Adjustable
Note: An hour after power to adjust
1. Lose +/- connection
2. Press SET to adjust, until red light on
3. Wait until light off to connection