

BCT 大型顯示器通訊協定

Modbus RTU Address：4 位數 (9999)

Address	Code	Word	Function	Range
0000H	03/06H	1	Display indicate Line1	0 ~ 9999 = 0000H ~ 270FH
0001H	03/06H	1	-----	-----
0002H	03/06H	1	Dot point Line 1	01 : X.XXX 02 : XX.XX 03 : XXX.X 04 : XXXX

Modbus RTU Address：4 1/2 位數 (-19999~19999)

Address	Code	Word	Function	Range
0000H	03/06H	1	Display indicate Line1	-19999 ~ 19999 = B1E1~4E1FH
0001H	03/06H	1	-----	-----
0002H	03/06H	1	Dot point Line 1	00 : X..XXXX 01 : XX.XXX 02 : XXX.XX 03 : XXXX.X 04 : XXXXX

Modbus RTU Address：5 位數 (99999)

Address	Code	Word	Function	Range
0000H	03/06/10H	1	Hi word	00000000H ~ 0001869FH (0~99999)
0001H	03/06/10H	1	Lo word	
0002H	03/06H	1	Dot point Line 1	00 : X.XXXX 01 : XX.XXX 02 : XXX.XX 03 : XXXX.X 04 : XXXXX

Modbus RTU Address : 6~8 位數

Address	Code	Word	Function	Range
0000H	03/06/10H	1	Display indicate Line1 Hi word	0~99999999
0001H	03/06/10H	1	Display indicate Line1 Lo word	
0002H	03/06/10H	1	Reversed	
0003H	03/06/10H	1	Reversed	
0004H	03/06/10H	1	Dot point line1	1 : X.XXXXXXX 2 : XX.XXXXXX 3 : XXX.XXXXX 4 : XXXX.XXXX 5 : XXXXX.XXX 6 : XXXXXX.XX 7 : XXXXXXXX.X 8 : XXXXXXXXX

Meter Address = 00H 時, 為廣播模式, 僅對 Function code 06H 有效, 但 Meter 不回應

Example : (Meter Address=01)

Function code : 03H 讀取 Register Data

PC 送 [01 03 00 00 00 02 CRC] Meter 回應 [01 03 04 00 00 00 00 CRC]

Function code : 06H 設定單一位址 Register Data

PC 送 [01 06 00 01 00 03 CRC] Meter 回應 [01 06 00 01 00 03 CRC]

Function code : 10H 設定Multi 位址 Register Data

PC 送 [01 10 00 00 00 05 0A 00 00 01 00 00 00 00 00 00 CRC]

Meter 回應 [01 10 00 00 00 05 CRC]

Meter Address=00H 時, 為廣播模式, 僅對 Function code 06-10H 有效, 但 Meter 不回應