CC130

Modbus Reference

V1.0e

Content：

1 Introduction

- The CC130 uses the Modbus/RTU protocol. The communications interface is RS485. The baud rate can be 1200, 2400, 4800 or 9600 and set from the front panel. The data format is 8 bits, no parity, 1 stop bit. The device address can be from 0~254 and is also set from the front panel.
- This document applies to the CC130 with firmware version A02 or higher.
- All numerical data in this manual is in integer form.
- All numerical values are in decimal unless otherwise specified or appended with an ‘h’, in which case the data is in hexadecimal.
- When a command is in error, the CC130 will not respond and simply allow the host PC doing the reading to time out.
- The CC130 should have a maximum latency of 300 milliseconds, this is the guaranteed time in which the CC130 should respond, if this time is exceeded, the host PC should issue a time out.
- A command is in error in any of these conditions:
    1. The function code is not supported.
    2. The data is malformed or out of range.
    3. The CRC is wrong.

2 Register Tables

Register Address	Modscan	Description		Length	Range	Unit	Default	Read/Write
0	03:0001	Totals Usage	Low word	2 words	0-999,999,999	1		R
1	03:0002		High word					
210	03:0211	Device Address - High byte		1 word	0-254	1	Last 2 digit of serial number (00=100)	R/W
211	03:0212	Baud Rate - High byte		1 word	0-3	0 = 9600 1 = 4800 2 = 2400 3 = 1200	0	R/W
215	03:0216	Decimal Places - High byte		1 word	0-5			R

3 Product Information

- Command: Address, 3, 250, 0, 0 , 32, CRC (low), CRC (high)
- Response: Address, 3, 64,……, CRC (low), CRC (high)

ASCII Code (64Bytes)

- ASCII Code : CC130 2.0 r--A02

4 Version History

- 2017.07.26 V1.0e