

Weather Station Modbus RS485

Communication Details

Modbus RS485 RTU

1. Baud Rate : 9600

2. Data : 8

3. Parity : None

4. Stop bits : 1

Modbus poll software setting

Holding register

Starting Register: 1

Length : 8

Default ID : 1

Note : Register length should be less than 8, if it is more it will not communicate

Holding Register Details

Parameter	Holding Register	Raw value Example	Actual Value Example
Wind Direction °	40001	240	240
Wind Speed Km/hr	40002	30	30

After changing the Dipswitch setting power should be switched OFF and Switched ON

	24 V+	24 v-	485+	485-	Y	G	R	B
	POWER		COM		WIND			
1								
2								
3								
4								
5								
6								
7								
8								

ID	DIP SWITCH SETTING			
	1	2	3	4
1	1	0	0	0
2	0	1	0	0
3	1	1	0	0
4	0	0	1	0
5	1	0	1	0
6	0	1	1	0
7	1	1	1	0
8	0	0	0	1
9	1	0	0	1
10	0	1	0	1
11	1	1	0	1
12	0	0	1	1
13	1	0	1	1
14	0	1	1	1
15	1	1	1	1

Note : while mounting the enclosure ensure the Gland is at the bottom and tightened fully to avoid precipitation