1. General

The wind-speed sensor allows to take action in the home automation system when wind-speeds are to strong.
Sunscreens can be retracted if there is too much wind to protect them.

2. Installation & connections

The module is simply connected to the bus on one side and sensor on the other side.
No other connections are needed.

Before applying power you should check if all connections are correct, connecting 24V to the bus inputs will damage the module and is not covered under warranty.

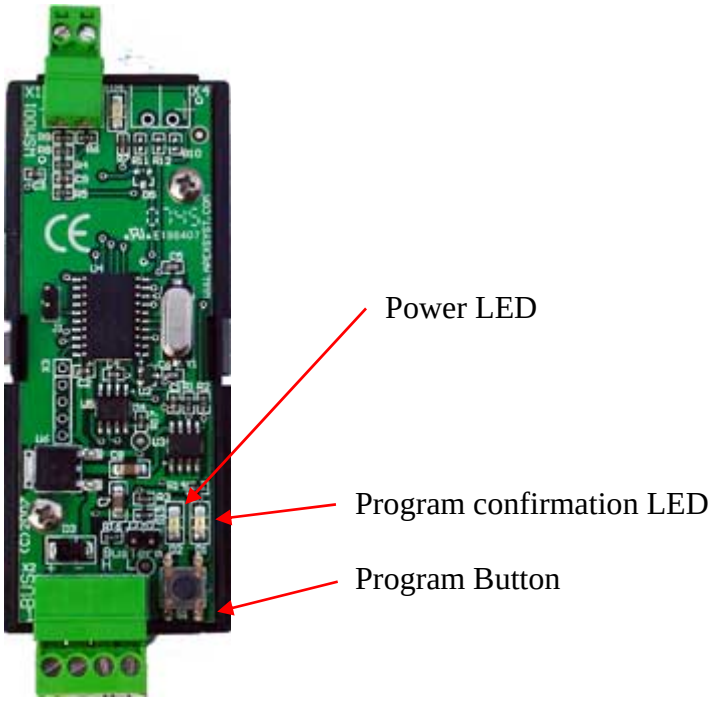
3. Module software configuration

The base address of the module should be programmed in the Easylink software.[1]

Push the program button in Easylink and then push the button on the module to program the address.

The program LED will light and blinks when the button on the module is pushed to confirm the programming.

Figure 1 base address programming



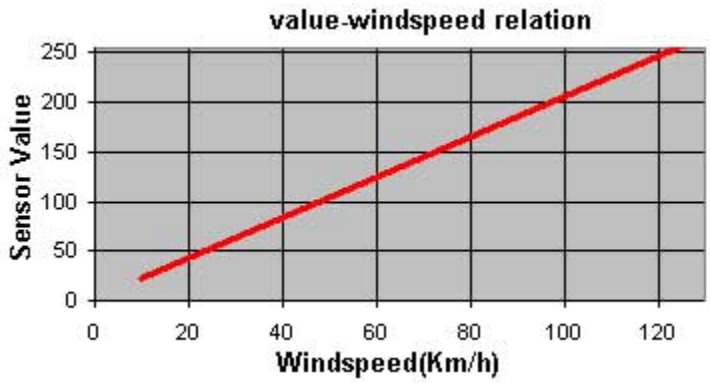
4. Operation

The module will perform wondspeed measurement by counting the pulses from the sensor over a 30 seconds timespan. This data is then transmitted over the bus . If there is no wind-speed change then the module will only retransmit the

1 You can download this software from our website http://www.apexsyst.com , or you can request it via email.

data every 10 minutes. In case of a sudden change (40 counts more then previous measurement) the the data is sent immediate.

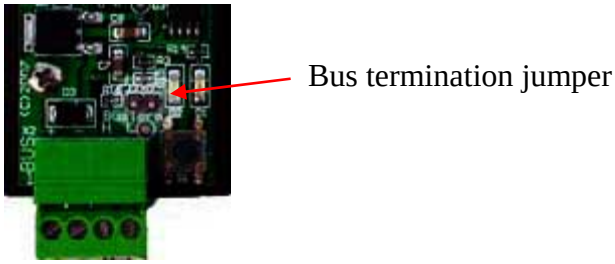
Figure 2 Sensor data wind-speed relation



5. Module hardware configuration

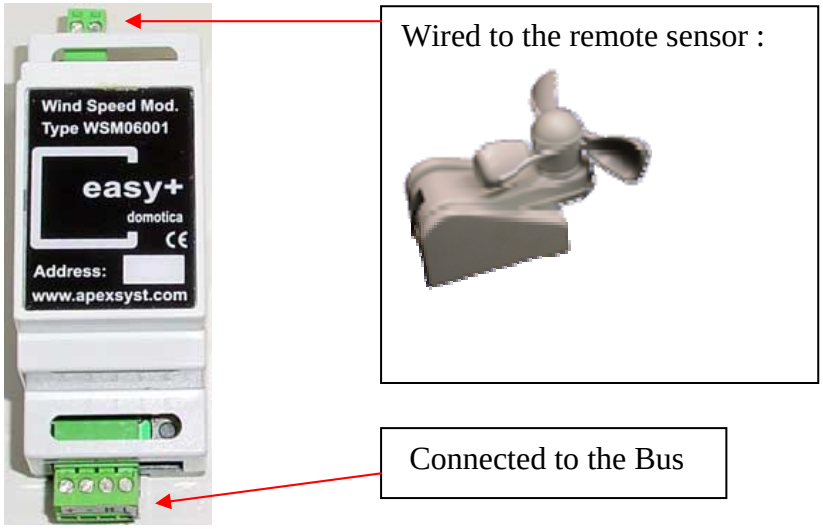
If the module is located at the endpoint of the bus then it should be terminated by placing a jumper on the 2 pins of J3 (see picture).

Figure 3 Bus termination



The jumper should be placed only if the module is at the far end of the bus.

Figure 4 module connections



6. Ordering information

Main unit

WSM06001	Wind Sensor Module

7. Technical specification

Supply voltage	12..24V
Current consumption	24mA @ 24V
Interface	Standard RS232
Sensor	Contact type : 1 Pulse/Revision
Dimension (h w d)	85 * 105 * 58 mm
Max wire diameter	0.75mm²
Operating temperature	0. . 60°C
Nett weight	130 gr.