



WM-485/232 WiFi Module

■ Operational Description

The WM-485/232 uses WiFi technology to wirelessly enable equipment in hard to reach or dangerous locations. By connecting your manually checked meters or sensors to the WM-485/232, no longer will you have to be within arm's reach to see your data.

Designed for field use, the WM-485/232 is Class 1 Div 2 approved. To maintain ease of use, the WM-485/232 accepts a wide power input range with clearly labeled screw terminals. Low operating power gives this module a long life. When paired with the SMC-02 solar controller or in a full SPS-1212 system, you'll never have to worry about it losing power.

The WM-485/232 when used with a Virtual COM Port redirector means you can use your existing software as you always have, but from another location completely.

■ Applications

- Automation
- Wirelessly enabling existing equipment
- Connecting sensors and meters to the Internet

■ Features

- 12 Volt battery or 24 VDC powered
- Sleep mode for long battery life
- Mates with SPS-1212 System for powering via solar modules.
- RS-232 and RS-485 Communication built in for high compatibility with equipment.
- Ability to create a network (Ad-Hoc Mode) as well as join an existing network (Infrastructure Mode)



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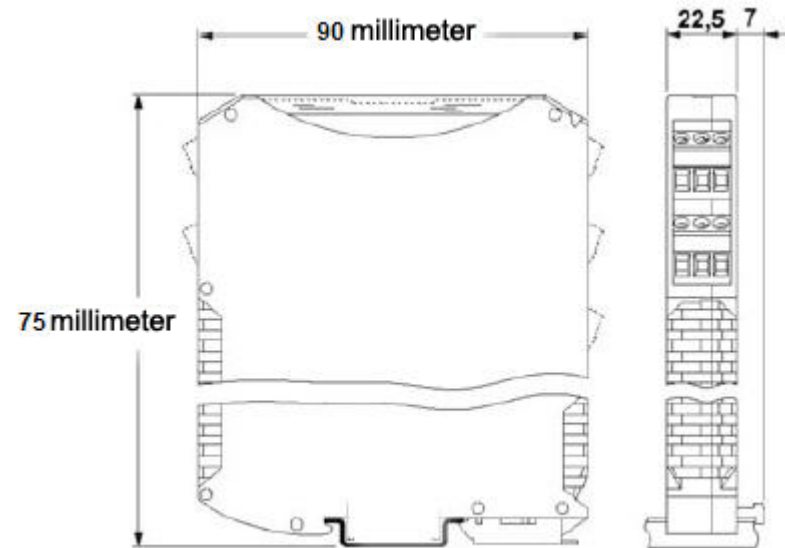


■ Technical Specifications

Power Requirements	
• Sleep Current(13.2 Volt)	540 μAmp
• Awake Current(13.2 volt)	16 mA
• Voltage range	6 to 30 Volts DC
Environmental	
• Standard	-40 to 140°F (-40 to 60°C)
Physical	
• Enclosure	Plastic, DIN Rail Mountable
• Size (inches)	3.5 x 0.88 x 2.95
• Size (cm)	9.0 x 2.25 x 7.5
• Weight	
- WM-485/232	0.025kg (0.055 lbs)
Communications Options	
• Direct cable RS-232	
• Direct cable RS-485	
• WiFi (802.11B) with On Chip Antenna or with external option available.	
Software	
• Requires a TCP/IP Com Port redirector such as Serial IP	
Computer Requirements	
• Computer	Pentium or Athlon or higher
• Operating System	Microsoft Windows XP SP3, Vista SP2, or Windows 7
• RAM	1 GB or higher
• Monitor	SXGA; WSXGA+ recommended
• Hard Disk Space	25MB Install / 35MB Rec.
Options	
• See options page	
Approvals	
• Class 1 Div 2 Groups C, D, T3	
• CSA Std C22.2 No 213, 14, E79-15-95	



■ Enclosure Dimensions



■ Ordering Information

Model	Description
WM-485-232	RS485 and RS232 WiFi communications Module
Options	
Power Supply Options: AC Power Supply, Batteries, Solar Panel Packages	
Antennas: Wireless communications often require an antenna. Optimum offers rubber duck, whip, low profile, yagi, manhole cover, in-road antennas.	
Enclosures: Steel or fiberglass with power supply and backup battery, predefined for mounting the module.	

Specifications are subject to change without notice.