# WM-100 WIRELESS MODEM


**WM-100 Wireless Modem with half-wave antenna**

## OVERVIEW:

The Tucor™ Wireless Modem is based on frequency hopping, spread spectrum wireless technology. Spread spectrum wireless communication in conjunction with frequency hopping provides exceptional error-free transmission, top security, and high levels of throughput over the license-free 902-928 MHz radio band. The WM-100 contains a radio transceiver and microprocessor that provides a transparent connection between a host PC and a Tucor controller. The WM-100 is packaged in a durable metal enclosure suitable for indoor mounting. The WM-100 is guaranteed to operate within specifications from 0°C to + 70°C. Standard configuration includes a unity gain fixed-whip antenna. Optional directional or high-gain antennas are available to support extended distances.

## FEATURES:

- Error-free RS-232 link with over-air rate of 9600 baud.
- Uses frequency hopping, spread spectrum communication technology (25 hop channels).

## FEATURES (continued)

- Communication range 7 mi. with half-wave antenna, over 20 mi. with high gain antenna (actual distances may vary and are dependent upon obstructions in the line-of-sight path and antenna height).
- No FCC license required.
- Can be used in all existing Tucor installations.
- Programmable hop sequences to increase reliability of communications.
- Supports command communications from a PC terminal program such as HyperTerminal.
- Retains programming data over a power failure
- Provided with a external, 5VDC power supply.
- Supported by TUCOR's PC-based software.

## ORDERING CONFIGURATIONS:

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| WM-100 | Wirless modem with ½ wave SMA antenna, 5VDC power supply, and 6' DB9 serial extension cable. |

Consult factor for outdoor configurations, high-gain antennas, and extended temperature range units (-40°C to + 85°C).