

## New WLAN module for JVL's MAC-motors



MAC140 with WLAN module



MAC800 with WLAN module



WLAN module MAC00-EW4

### Wireless connection to Ethernet

A very wide range of integrated AC servo motors makes JVL a leading supplier in the field of motion control. The numerous features of these motors include a unique modular concept that makes it extremely easy to adapt the motors to a large number of applications. Plug-in expansion modules are used to adapt a motor to the application. Customers can choose the type of connector, D-Sub, cable-terminals or water-tight M12 connectors, and can freely choose between Profibus, DeviceNet, CANopen or Nano PLC control. High-Speed and wireless modules provide even more possibilities. In this way, customers have flexibility and opportunities that are not provided by any other motors on the market and only pay for the features required. In addition, JVL can develop special, customised modules to meet customer requirements.

JVL is now introducing the facility to connect integrated MAC motors to a company's existing Ethernet using a newly developed WLAN-module, which thus provides access to set up and control the motor from anywhere on the network. Moreover, with appropriate IT-infrastructure, it is possible to access the motors via the internet using fixed IP-addresses or via VPN.

This new module provides completely new opportunities for remote control, monitoring and diagnosis, thus further enabling the motors to be used in distant locations where service would otherwise require considerable transport.

For shorter-distances or local use too, use of the WLAN-module means that cabling can be avoided. Software can be used to connect a PC to the motor as if it were connected via a serial RS-232-cable.

A motor equipped with this module is also well-suited when the motor is rotating, e.g. in a circular plate and is powered via a slip-ring. Another typical application is where control signals are supplied from a hand-held, battery-operated unit.

It is possible to use a wide range of the most recent encryption standards.





Like the well-known JVL RxP nano-PLC module, the MACOO-EW4 WLAN module is programmable so that small PLC programs can be executed directly in the motor. The graphic interface for setting parameters and programming in JVL's MacTalk software is identical to that used for the RxP-module, and programs can be directly transferred between the RxP, BlueTooth and WLAN modules taking the use of I/O signals into account. Connection of the supply and signals is done via three robust M12 connectors.

The Module has a standard antenna connector for connection of the supplied antenna or other antenna of choice.

#### Applications:

- Positioning of axles.
- Monitoring motors.
- Parameter set-up.

#### Functions:

- Provides full access to all of the MAC motor's functions and registers.
- Possibility to connect thousands of modules.
- Baud rates up to 19200.
- Remote control of the motor.
- 5 inputs and 4 outputs
- Programmable via wireless control using MacTalk
- Integrated Web server

Further information can be obtained from: JVL Industri Elektronik A/S, Blokken 42, DK-3460 Birkerød, Denmark.

Tel.: +45 45 82 44 40. E-mail: [jvl@jvl.dk](mailto:jvl@jvl.dk). Web: [www.jvl.dk](http://www.jvl.dk)

