

AWF1 - the WI-FI GATEWAY

The need to connect controllers and control systems to wireless network is becoming increasingly common. The technology allows you to connect your machines and devices offering several advantages:

- Avoids expensive wiring;
- Allows you to move your devices within the range of your network;
- Creates low-cost data collection networks.

This technology is now available, for Ascon Tecnologic's products, through the AWF1 Gateway which turns your controller into a Wi-Fi "device".

NEEDS

Network a controller without changes

A controller is already installed on a system, it is required to connect it to a network in order to remotely configure it or to acquire data (eg temperature / setpoint and so on.).

- Changes to the machine or system must be avoided;
- The system must be simple to set up and safe.

SOLUTION

AWF1 Gateway

A simple adapter that networks your controller without additional cost. It easily connects to the TTL port, always present in the regulators.

[Read more---](#)

System architecture

The AWF1 gateway can be connected to most Ascon Tecnologic controllers through the TTL port, which also provides power supply. Thanks to this gateway, the controller becomes a node of your Wi-Fi network.

- A dedicated cable connects the controller to the Gateway;
- The integrated Web-server allows configuration and offers a "service" entry point;
- The Gateway becomes a Wi-Fi point of your network allowing you to collect data or modify its parameters.

Functional details

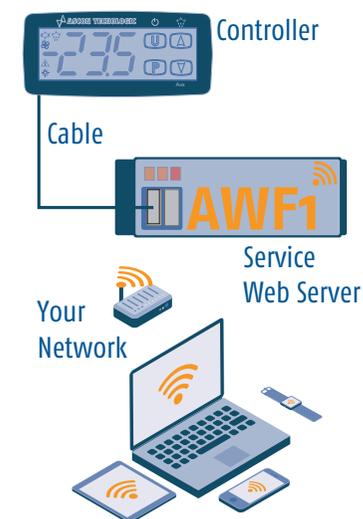
- It can operate with static or dynamic IP;
- Different passwords and IPs for config. and connection;
- Security mechanisms: WPA / WPA2;
- Encryption: WEP / TKIP / AES;
- Self-powered (the controller powers the gateway);
- Internal antenna;
- Fast (10/100 Mbit from the WI-FI side);
- Point-to-point connection.

AWF1 the WI-FI gateway was chosen thanks to:

- **Low costs:** No changes are required to the system, no cables or power supply, just connect it to the regulator;
- **Easy configuration:** thanks to the integrated web-server;
- **Security Thanks to passwords,** diversified channels, security and encryption protocols.

For more details contact us at: info@ascontecnologic.com

Ascon Tecnologic and its worldwide network of partners are fully available to discuss your solution



ADVANTAGES