

Z-Wave

Z-Wave is a low-power wireless mesh communication protocol used for automation and device control.

Purpose in AOFS

- Valve control modules
- Pump relays
- Environmental sensors
- Farm automation components

Layer Mapping

- Sensor/Actuator → Field Controller
- Primarily local automation layer

Strengths

- Low energy usage
- Good interoperability in automation devices
- Mesh networking capability
- Reliable short-range communication

AOFS Compliance Notes

- Z-Wave devices must not override physical safety mechanisms
- Field Controller retains full authority over all actuation
- Communication loss must default to safe physical states
- All actuation events must be logged

From:

<http://wiki.irrigation.afriticgroup.com/> - **Afritic Open Farming Standard**

Permanent link:

<http://wiki.irrigation.afriticgroup.com/doku.php?id=protocols:z-wave:start>

Last update: **2026/02/23 01:07**

