

AQUA BLU - INTELLIGENT WATERING

An intelligent irrigation system regulator that oversees watering to ensure plants are never over watered. A sensor that accurately measures the wetness of the soil is cabled to a smart controller, which connects directly to an automatic watering system or a valve. A user definable dial setting determines how wet the soil should be before watering is interrupted.

OPERATION

AquaBlu has two components, the regulator and the sensor. The sensor uses advanced technology that provides an X-Ray like view of the soil moisture. The sensor is buried at root level in the area where irrigation is to be controlled with the cable buried and routed back to the regulator. The regulator can be connected to any automatic controller and be configured to provide control of grouped or individual irrigation zones. Multiple AquaBlus can be used to control different irrigation zones if desired. The buried sensor sends continuous updates on the soil moisture content to the regulator. The regulator has a rotary dial control that allows the preferred soil moisture level to be set. A red LED indicates when the preset level is reached. Once triggered AquaBlu prevents watering until the soil moisture drops below the preset level. This ensures plants use available soil moisture before irrigation recommences and reduces over watering. AquaBlu provides reliable 24/7 monitoring of plants water needs at root level. The user definable system not only factors in the true effect of rainfall but also varying plant needs through seasons, growth cycles, weather patterns and soil types.

REGULATOR SPECIFICATIONS

- power requirement 9 - 14v (max) AC or DC, recommended 12v
- idle current 1.1mA, Max current 100mA
- 2 power options 12vdc (1500mA) or 24v to 12v line regulator
- electrical switching limits 2A @ 30vac or DC
- PVC construction
- regulator is dust proof and splash proof with cover affixed
- Dimensions 77mm x 29mm x 163mm

SENSOR SPECIFICATIONS

- uses capacitance technology (FDR)
- Digital RS-485 output
- Operating range -5°C to 50°C
- Wide response suitable for dry to saturated soils
- UV-stabilised PVC construction
- Standard cable length 5m (can be extended 500m)
- IP 68 rated (dust and waterproof)
- Dimensions 180mm x 15mm x 70mm



MODELS	CODE
AquaBlu regulator and sensor with 24vac - 12vac power regulator, used when controller 24vac power is available	AQUABLU24
AquaBlu regulator and sensor with 240vac - 12vac plug in transformer, used when 24vac controller power is not available	AQUABLU12

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