



**AQUAMONIX**  
Measure. Monitor. Master.

## TW SERIES N/T : 2-WIRE TECHNOLOGY

### **Tonick** **Watering** Two Wire Technology

The Aquamonix range of 2-Wire Decoders is marketed globally under Tonick Watering.

Our 2-wire and wireless products can be used in various industries and tailored to specific project needs. All our 2-wire decoder systems and 2-wire irrigation controllers can be applied to a wide range of applications including irrigated agriculture, commercial landscapes, water infrastructure, smart cities and golf and sports turfs.

The TW Series N/T is our most advanced decoder, and are designed specifically for large, complex applications.



## FEATURES

- Inbuilt Indicator LED with light pipe
  - Green: Listening
  - Orange: Solenoid operating
  - Off: No active power on path
- Ability to be directly buried
- Tropical rated
- Expandable - simply splice additional decoders into the 2-wire line
- Economical - typical installation requires up to 80% less cable than conventional systems
- Redressable - decoders can be reprogrammed multiple times using the Tonick programming tool
- Versatile - tolerant of earth leakage in the existing cables, retrofit possible, including bunched multiwire to make 2-wire path
- Suitable for use with the complete Tonick BT2 twin translator family

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IRRIGATION  
AUTOMATION



WATER  
MANAGEMENT



REMOTE  
MONITORING

[www.aquamonix.com.au](http://www.aquamonix.com.au)

## ELECTRICAL

- True A/C system not harmful to cable and joints
- Operating voltage 19VAC-32Vac, 50 or 60 Hz
- Idle current (typical) - 3 mA
- Holding current (maximum) - 500mA
- Maximum recommended active solenoids per 2-wire path - 8

## OPERATING

- Custom firmware for OEM systems
- Station address limit as per translator
- Compatible with other Tonick decoders on the same 2-wire path
- Compatible with the Tonick range of sensor decoders for moisture, pressure, water level, flow and digital inputs

## PHYSICAL 2 - WAY SOLENOID

- Length: approx. 64mm (not including cables)
- Diameter: 42mm OD
- Fully potted to waterproof the electronics

## WIRING

- Low smoke type 99, AWG20, stranding 19/0.20mm, modified polyester insulated, 600V, 300mm length. Mil Std 681

## PROTECTION

- Internal lightning protection
- No grounding required along 2-wire path

## Approvals

- CE (European) marked and compliant
- RoHS (European) compliant and lead free

## Certificate of Origin

- Manufactured in the EU

## Warranty

- 5-year warranty including damage by lightning

Please refer to the Tonick OEM Guide for integration information.