



**AQUAMONIX**  
Measure. Monitor. Master.

## KLIP-CODER-DIAS : 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 Klip Coder DIAS is a Solenoid with true A/C 2-wire decoder. It is suitable for landscape applications and is compatible with Tonick decoder translators.



## FEATURES

- Combines 2-wire decoders and a solenoid into one product
- Ability to separate and re-attach solenoid from decoder
- Expandable - simply splice additional decoders into the 2-wire line
- Economical - typical installation requires up to 80% less cable than conventional systems
- Redressable - Klip-Coder can be reprogrammed numerous times using the Tonick programming tool
- Internal lightning protection
- No grounding required along 2-wire path



- 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

## ELECTRICAL

- True A/C system not harmful to cable and joints Operating voltage 19VAC-32Vac, 50 Hz or 60 Hz
- Idle current (typical) - 4.5mA
- Holding current - 50-60mA
- In-Rush current - 300-350mA
- Maximum recommended active solenoids per 2-wire path - 16 (DIAS)

## 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

## SPECIFICATIONS

- Length: 70mm (not including cables)
- Diameter: 32mm
- Two sections, both fully potted to waterproof the electronics
- Connected by high voltage wiring

## WIRING

- Fluorinated Ethylene Propylene (FEP) high voltage wire, AWG28/0.368mm<sup>2</sup>, 18KV DC rating, interconnection between decoder and solenoid
- Type LiYi 0.75, AWG18/0.75mm<sup>2</sup>, PVC, 550mm length, black, outer for 2-wire path connection

## 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.