Product Specification

Product: TK-DEC-1 - Series
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Description

- Tropical strength switching 2-wire decoder for landscape applications, compatible with Tonick decoder translators

Features

- Inbuilt Indicator LED with light pipe
  - Green: Listening
  - Orange: Solenoid operating
  - Off: No active power on path
- Ability to be direct 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 100's of 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

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

Electrical (cont.)

- Maximum recommended active solenoids per 2-wire path - 8

Operating

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

Approvals

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

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

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.