

Product Specification

Product: Two Wire Hybrid Decoder
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Description

- Tropical strength switching 2-wire decoder, with an output and sensor inputs combined. Compatible with Tonick decoder translators.

Features

- A switching solenoid output
- An analogue voltage input.
- A digital input for pulse or frequency
- Ability to be direct buried.
- Tropical Rated
- 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.
- Voltage supply for sensor inputs

Electrical

- True A/C system not harmful to cable and joints.
- Operating voltage 19VAC-32Vac, 50 Hz or 60 Hz
- Idle current (typical) – 14 mA
- Holding current (maximum)– 500mA
- Maximum recommended active solenoids per 2-wire path – 8
- Analogue supply voltage of 4V
- Analogue input signal 0 to 2.5V
- Digital supply voltage of 9V
- Digital input range 0.1 to 255Hz

Operating

- Station address 124, through to 127.
- Station address determines sensor addresses.
- 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.

Decoder	Flow Frequency	Flow Pulse	Pressure
127	14	13	12
126	11	10	9
125	8	7	6
124	5	4	3

Approvals

- RoHS (European) compliant & lead free

Physical

- Length: approx. 93mm (not inc. 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.

