

Product Specification

Product: Tonick Decoder Programmer
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Description

- Decoder Programmer for addressing decoders. It supports the entire range of the Tonick family.

Features

- Simple programming method
- 3-digit LED display, for addressing 1 to 127
- Simple raise and lower push button addressing
- Easy push button to program
- Simple test function to check the address and operation of a decoder, with a PASS / FAIL LED
- Large terminals for push connecting decoder wires.

Variants

PSU-TW-2W-P/T-AU

- Unit Supplied Australian power supply

PSU-TW-2W-P/T-EU

- Unit Supplied European power supply

PSU-TW-2W-P/T-US

- Unit Supplied US style power supply

Electrical

- Supply Voltage 24V AC centre tapped transformer, operating at 50 to 60Hz.

Line signalling

- Can program up to 127 Tonick 2 Wire decoders, or DIAS (Decoder in a Solenoid).
- Custom firmware for OEM systems.

- Compatible with all Tonick Decoders and with Decoder-In-A-Solenoid (DIAS).
- Compatible with all Tonick Sensor decoders for moisture, pressure, water level, flow and digital inputs.

Approvals

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

CPU

- 8-bit RISC. 8MIPs, 64K flash / 4K RAM / 4K EEPROM.

Firmware

- Re-writable application in general flash space. Uses Kanda Keyfob programmer.

Connections

The Tonick BT2 should be wired as follows.

- 8 Pin DIN connection – Power Supply Unit
- Two Wire terminal 1 (Red/White) – Decoder Active Wire or a DIAS wire
- Two Wire terminal 2 (Black/Yellow) – Decoder Neutral Wire or a DIAS wire
- Solenoid terminal 3 (Yellow/Purple) – Decoder
- Solenoid terminal 4 (Yellow/White) – Decoder
- The RS485 is optically isolated from the Tonick BT2 decoder circuits by at least 1KV to help protect against lightning surges propagating into the host controller.

Certificate of Origin

- Manufactured in the EU.

Please refer to the Tonick OEM Guide for integration information.

