



Tag

Product Code: W-TG100 / W-TG100 MS

Description: Tag Domino

An internal lithium battery powers the Wavetrend W-series of Active Tags. The Domino Tag will, for the duration of its life, transmit a Radio Frequency (RF) signal at a pre-set time-interval. The Tag life is estimated at 5 years at a transmission time interval of approximately 1.5 seconds. The lifespan of the Tag ends when the battery life is exhausted. Battery status can be inferred by interrogating the internal Tag Age Counter Value.

The transmitted Tag data could include Customer Site Code (CSC), Tag ID, Tag Age Counter Value, Movement Alarm and Tamper Alarm status.

For protection against adverse environmental conditions, Wavetrend Tags are encapsulated in a moulded plastic case, which is ultrasonically sealed during the manufacturing process.

The Domino Tag is generally used for asset tagging. The mounting and affixing of a Tag depends on the type of application. The standard method is by VHB type double-sided adhesive tape.



Features

- Configurable settings, including Site / Vendor ID, Tag ID, Transmission Repetition Interval and Alarm functions (these are programmed at order placement stage).
- Low power consumption. Tag life is estimated at 5 years when transmitting at a 1.5-second interval.
- A Collision avoidance algorithm is used to dispose the transmissions around the mean repetition interval.
- External Antennae.

Applications

Wavetrend Tags can be mounted on a variety of non-metallic items. Where permanent fixing is required, VHB double-sided tape is used (**L-TA400**).



Specification

Environmental

Operating temperature	- 10° C to + 60° C
Storage temperature	- 20° C to + 70° C
Humidity	5% to 90% (non condensing)

Physical

Size	64 mm x 30 mm x 9 mm (Domino Enclosure)
Weight	15 grams (excluding antenna)
Colour	Black
Type of material	PVC (ultrasonically sealed) IP 65

RF Specifications

Tx Frequency	433 Mhz
Field strength	< 1600 μ V/m
Typical Transmission Range	8 Meters (24 feet)
Modulation	ASK
Bandwidth	1 MHz
Stability	SAW stabilised

Electrical Specifications

Power	Internally powered Lithium Battery
-------	------------------------------------

Wavetrend (Pty) Ltd.

Wavetrend House
Hammets Crossing Office Park
Selbourne Rd
Fourways
Johannesburg
South Africa
Tel +27(11)462-2633
Fax +27(11)462-6316



Wavetrend Inc.

13912 NE 31st Place
Bellevue, WA
USA

Tel +1-206-949-6394

sales@wavetrend.net

Wavetrend UK Ltd.

1st Floor, 7 Mallard Court,
Mallard Way, Crewe Business Park, Crewe,
Cheshire
England
CW1 6ZQ

Tel +44-1270-214-433
Fax +44-1270-214-420

