



The TG700-A ActivDuo Key Fob PA Tag is an active tag that continuously transmits a unique ID number, which can be detected by Wavetrend® readers. An internal battery powers the tag and Wavetrend's patented ultra low power use design ensures longer battery life at higher rates of transmission than any other brand of active RFID tag. The tag offers immediate alerts on movement.

- **Beacon tag transmitting a unique ID & data at pre-set intervals or at will by user**
- **Low cost, small tag design for personal use**
- **Ultra low power consumption provides exceptional battery life**
- **Ultra long-range transmitter**
- **Low battery warning**
- **Panic Alert (PA) button**
- **Instant movement alert**
- **Ideal for personal location and safety applications**

KEY FEATURES	BUSINESS BENEFITS	AVAILABLE	
		L-Series	W-Series
Tag can be configured to hold standard 26-bit or 32-bit Wiegand numbering	Allows tag to be used with existing access control systems together with the RFID system.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
'Panic Alert' Push Button (operates even if beacon tx's not active)	Allows the user to initiate a series of alert transmissions over 2 seconds – ideal for personal safety and long range access control applications.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Configurable settings include:			
▪ Site/vendor ID	▪ A unique code that can be allocated by Wavetrend to each customer on request.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Tag ID	▪ Readers can be set to ignore tags with incorrect site codes.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Tag Age Counter	▪ 4.2 billion tag ID's are available per site code.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Product Unique Code (PUC)	▪ The Age Counter allows for advance notification of the end of battery life and for the unique identification for each transmission made by the tag.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Various transmission repetition intervals (default 10s)	▪ Factory set ID for the tag that can function as its unique ID instead of Site Code/Tag ID combo.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Movement Alert	▪ Different status transmission intervals allow tags to be used in diverse applications while offering the best battery life spans in the market.	2 Intervals	11 Intervals
▪ Tamper Alarm	▪ Provides instant notification of an attempt to move a tag through rapid alert transmissions for 5 seconds.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
▪ Tamper Latch	▪ Provides instant notification of unauthorized attempts to remove a tag from an asset.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Collision avoidance algorithm	▪ Provides continual notification of a previous tamper alert with every transmission.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ultra low power consumption	Reduces loss of data caused by simultaneous transmissions from multiple tags.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> enhanced
Sealed to IP65 standards	Lifespan of 7+ years when transmitting at the standard or greater interval.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Splash proof and intrinsically safe.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

ACTIVE RFID


ActivDuo
**Key Fob PA Tag
TG700-A**

Typical Applications

The TG700-A Key Fob PA Tag is generally used for personal identification, location, safety & security, long range access control and key ring location applications. The tag can be attached to key rings or can be attached to clothing or belts using the supplied ring. The tag can be set to transmit only when the PA button is pressed or it can be set to transmit at regular intervals for RTLS applications in addition to the user initiated alert transmissions. Instant alerts for movement are available.

Model Range

The tag is available in two models. Each model operates with a different air interface protocol. The tags can be ordered using the part numbers listed below:

L-Series

L-TG700-A : Standard tag

W-Series

W-TG700-A : Standard tag

Air Interface Protocols

'L-Series' and 'W-Series' refer to 2 different proprietary communication protocols used between Wavetrend® tags and readers. The L-Series reader must be used with Wavetrend® L-Series tags. The W-Series reader must be used with Wavetrend® W-Series tags. Both types of reader can operate on the same reader network infrastructure.

L-Series tags provide ultra long read range and are ideal for use in low tag density (< 30 tags per reader) operations such as personnel tracking, small asset management applications and access control systems.

Specifications

Environmental

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

Physical

Size : 85 x 37 x 12 mm
Weight : 34g
Color : Grey (L-Series) and Black (W-Series)
Material : ABS (ultrasonically sealed) IP65

Radio Frequency

Transmit Frequency : 433.92 MHz
Power Output : 72dBμV/m @3m, 4300 μV/m
Modulation : ASK
Bandwidth : 1 MHz
Stability : SAW Stabilized
Range : 1 to 100+ meters (actual range is determined by the choice of reader & antenna used to detect the tag and the environment it is used in)

Electrical

Power : Internally powered by lithium battery

W-Series tags are more dynamic and flexible in the data they can transmit, offer improved data compression capabilities and are ideal for high tag density applications (>30 tags per reader) and provide an ideal platform for applications requiring customization. W-Series tags can be set to

transmit up to 25 bytes of user-specified information in addition to, or in replacement of, the standard tag information. W-Series tags can be customized on request to incorporate digital sensory devices, such as a thermometer, transmitting the dynamic sensory information with every transmission.

IP Information

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Certifications



Ordering & Further Information

For more information on the TG700-A Key Fob PA Tag or for information on how to purchase it please email Wavetrend's Sales team: sales@wavetrend.net

For more information on Wavetrend®, our active RFID products & Professional Services and on joining our Accredited Partner program, visit our website:

www.wavetrend.net