

# ACTIVE RFID

## Key fob Tag TGF-A



- Beacon tag transmitting a unique ID & data at pre-set intervals
- Ultra long-range transmitter
- Low battery warning
- 2 Push Button alarms
- Flashing LED on Alarm
- Replaceable Battery

The TGF-A Active Duo Key fob can be operated in two modes both sleep and wake. Whilst awake both buttons operate and the tag has its standard beacon rate, when asleep both buttons operate and there is no beacon rate. The LED will flash once when button one which is closest to the LED is pressed and twice when button 2 is pressed in both Asleep and Awake settings.

KEY FEATURES	BUSINESS BENEFITS
Tag can be configured to hold standard 26-bit Wiegand numbering	Allows tag to be used with existing access control systems separately or together with the active RFID system.
<b>Configurable settings include:</b>  Site / Vendor ID  Tag ID  Various transmission repetition intervals (default 10s)  Panic Button 1  Panic Button 2  Replaceable coin cell battery  Flashing LED  Sealed to IP50 standards	A unique code that can be allocated by Wavetrend to each customer on request. Readers can be set to ignore tags with incorrect site codes.  4.2 billion tag ID's are available per site code.  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.  Transmits Motion Alert  Transmits Tamper Alert  Lifespan at 30 seconds is 3 years  Provides user visual confirmation that an alarm has been transmitted.

### Best Usage Guide



Personnel



Indoor Use



Use on Metal



Track Assets



Outdoor Use

[WWW.WAVETREND.NET](http://WWW.WAVETREND.NET)

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### Typical Applications

The TGF-A Active Duo Key fob tag can be used for both security and control purposes. In security applications it is often used awake with its beacon being used to locate personnel within and zone and to detect any alarms.

In control applications the TGF-A tag can be combined with the RX211 access reader which when suitably configured can open either set of relays corresponding to either button 1 or button 2 being pressed on the TGF.

### Model Range

The tag can be ordered using the part number listed below:

L-Series	
TGF-A	: Standard tag

### Air Interface Protocols

L-Series' refers to a proprietary communication protocol used between Wavetrend® tags and readers.

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.

#### Ordering & Further Information

For more information on purchasing the Activ Duo TGF-A Tag please email Wavetrend's Sales team:

[sales@wavetrend.net](mailto:sales@wavetrend.net)

For more information on Wavetrend® visit our website.

### Specifications

<b>Environmental</b>	
Operating temperature	: -30°C to +60°C
Storage temperature	: -40°C to +70°C
Humidity	: 5% to 90% (non-condensing)
<b>Physical</b>	
Size	: 57 x 35 x 10 mm
Weight	: 14 grams
Colour	: Black
Material	: Nylon IP64
<b>Radio Frequency</b>	
Transmit Frequency	: 433.92 MHz
Power Output (avg.)	: 77 dBµV/m @ 3m
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)
<b>Electrical</b>	
Power	: Internally powered by Replaceable lithium battery

### FCC Statement of Conformity Wavetrend TGF-A Active Duo

#### FCC ID: 06XTGF-A

This device complies with Part 15 of the FCC rules subject to the following three conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept all interference received, including interference that may cause undesired operation.
- 3) This device is for commercial use only and intended for use in a confined area with an appropriate system receiver

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

*\* (from front page) Battery life calculations assume operation at room temperature with the default status transmission interval of 1.5 seconds, without the anti-tamper circuit armed and without a motion sensor fitted.*

**IMPORTANT NOTICE:** Wavetrend ACTIV tags do not comply with the FCC Part 15 rules or hold IC approval, so are not available for sale into the United States of America or Canada.

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