

PBG0224

24 Sep 2021

## T-GEN2 POWER SAVE MODE AFFECTS SOME EMERGENCY MESSAGES.

*This bulletin describes how Power Save Mode SmartConfig settings can prevent some emergency messages playing, and how to program the T-Gen2 to ensure these messages are played under the conditions that trigger Power Save Mode.*

### Corrective Action

If T-Gen2 messages for emergency applications (e.g. Lock-down) are programmed to be triggered using the “Play Signal” function, the T-Gen2 configuration must be adjusted, and the power supply and battery calculations must take any extra non-emergency loads into account.

For SmartConfig for T-GEN2 up to V2.9. the “Power Save Mode” options must be DISABLED (i.e. unticked – see screen shot below)



For T-Gen2 systems where the Power Save Mode options are unticked as above, but the T-Gen2 is also used for non-emergency purposes, larger power supply and/or battery capacity may be required to meet the requirements of AS 1670.4: 2018 clause 4.12.

In New Zealand systems Power Save Mode options may also assist with meeting the Electrical Supply and Battery requirements of NZS 4512, where the T-GEN2 is also used for non-emergency purposes”. For Type 5 systems such as fire alarm warnings for individual rooms in a hotel or similar, the Power Save Mode options should be unticked.

### T-Gen2 Power Save Mode

The “Power Save Mode” options in T-GEN2 SmartConfig are intended to enable building occupant warning systems and emergency warning systems using T-GEN2 to meet the requirements of AS 1670.4: 2018, when the system is used for non-emergency functions. However, the application of an Emergency Warning System to AS 1670.4 is not limited to fire alarm warning, but is intended “to facilitate an orderly

## PBG0024 (Continued)

evacuation, relocation or direction of personnel in emergencies such as, but not limited to, fire, smoke, civil commotion, bomb threats, siege, explosion, leakage of toxic substances or fumes and structural damage”.

Clause 4.12 of AS 1670.4, “Use of the emergency warning system for non-emergency purposes”, requires that non-emergency functions are overridden in the event that the main power source is absent, and requires that the power supply provides sufficient current to meet any additional non-emergency load. For T-Gen2 Power Save Mode these faults are:

- External mains Fail
- PSU Fault
- Voltage below minimum

## T-Gen2 Power Save Mode Settings and Effects

The Power Save Mode SmartConfig default settings in SmartConfig V2.9 or earlier mean that under any of the fault conditions listed above:

- messages triggered by the “Alarm Trigger” function from the fire detection system will continue to play.
- messages or signals triggered by a “Play Signal” function will be automatically turned off, under the assumption was all “Play Signal” functions will be used for “non-emergency purposes”.

An unintended consequence of these default settings means that “Play Signal” messages used for emergencies such as lockdowns, civil commotion, bomb threats etc., as noted above, will NOT play during Power Save Mode.

## Resources

The SmartConfig Lite User Manual LT0345, used for updating and programming the T-Gen2, is included with SmartConfig Lite, or can be obtained from the Fireplace website. <http://vigilant-fire.com.au>.

Click on **Resources | Manuals ANZ** and then **T-Gen2 60W and 120W** to see the LT0345 link.

For technical support or technical training enquiries, contact Johnson Controls Technical Support Centre on 1300 552 559 in Australia or 09 635-0617 in New Zealand.