

T-Gen2

Emergency Warning System -Grade 3 User Interface

Features

- AS 4428.16 Grade 3 User Interface for T-Gen2
- Single evacuation zone with Alert/Evacuate/Speech controls
- Optional zone disabled button
- Auto and manual mode controls
- Controls for Test, Silence Warning, Silence Buzzer, Reset
- Up to 4 controls for area PA paging
- Two user programmable controls for test/lockdown/special messages
- PA Microphone & talk indicator
- 19in rack mount
- Model with T-Gen60 mounted on rear

T-Gen2 Grade 3 User Interface

This is an optional module for use with the T-Gen60 and T-Gen120 Emergency Warning systems. It is supplied as a 3U 19in rack mounting module finished in grey or black to suit mounting in VIGILANT MX1 (as shown at right) or SIMPLEX 4100ESi fire panels respectively.

It is connected to the T-Gen60 or T-Gen120 unit mounted in the fire panel with the included QBus and microphone extension cables.

The user interface provides mode and function controls and indication for operation of Alert, Evacuate and Speech emergency signals for a single evacuation zone - in either Automatic or Manual mode.

A supervised microphone for making emergency speech or non-emergency paging announcements to the protected area is also included.

The grey User Interface is also available complete with a T-Gen60 unit fitted on the rear.



For non-emergency paging, the front panel microphone can be combined with the 4 area PA/Paging push-buttons and one or more FP1117 100V Switching modules connected to the T-Gen2 100V output to enable voice announcements to be selectively made to different areas of the building.

Chime signals can be included to precede the voice announcements (the Talk LED shows when the user should start talking).

Two user-programmable push-buttons are included which can activate messages or tones on demand such as lockdown / school bell / test commencement / conclusion announcements.

Operation & Configuration

Operation of the user interface is controlled by the programmable configuration held within the T-Gen2 module. This configuration can be selected from a number of pre-defined setups or specifically modified using PC software, SmartConfig. This provides flexibility to customise the programming configurations and interface to other optional modules.

The user interface Disabled, Alert, Test, Silence Warning, and Reset buttons are disabled by default. These can be enabled to suit site-specific requirements, where trained personnel are available.

4-Way 100V Switching Module FP1117

This splits the T-Gen2's 100V speaker output into four 100V speaker circuits, each with its own supervision. If a short circuit fault is detected the 100V Switching module disconnects that output, allowing the others to continue working. Each output can also be disconnected from the 100V feed, allowing the T-Gen2 to control which outputs receive the audio signal, e.g., for area paging. Ideal for customising public address areas.

4-Way 100V Splitter Module FP1118

This optional module is ideal for splitting one T-Gen2 output into multiple floors or between common areas and apartments so that each output has short-circuit isolation. If a short circuit fault is detected, the 100V Splitter module disconnects that output, allowing the others to continue working. No control of the outputs is otherwise possible. A fault condition is signalled to the T-Gen2 via the 100V line.

Specifications (FP1121)

Operating Voltage	19.2V to 28.8Vdc
Quiescent Current	190mA (audio idle)
Alarm State Current ¹	3.0A 60W@27Vdc
Line Voltage	100V rms AC
	2.5Vdc (supervision)
Line Power	60W rms
EOL Resistor	56k Ohm 0.4W (1 branch) 100k Ohm 0.4W (2 branches)
Line Capacitance	200nF maximum
Strobe Output	2A maximum
Audio Input	230mV rms into 5k Ohm
Digital Inputs	2k7 EOL, <3.5V Active
Open Collector Outputs	<1V @ 100mA, 30Vdc
Fault Relay	Change-over, 2A @ 30Vdc
Ambient Temperature	-5°C to +45°C
Relative Humidity	10% to 95% (non cond.)
<i>Indoor Applications Only</i>	
Dimensions (HWD)	132 x 483 x 64 mm
Wire Size (maximum)	2.5sq. mm
ActivFire Listed	afp-3315
FPANZ Listed	VF/428
Part Numbers	
FP1121	3U EWS Door c/w T-Gen60
FP1122	3U EWS Door Grey (no T-Gen)
FP1123	3U EWS Door Black (no T-Gen)

Notes.

1. Excludes strobe current



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VIGILANT, a respected regional brand of Johnson Controls, is a technology leader in the Australian and New Zealand fire detection markets with AS and NZS product approvals. The VIGILANT product line includes a comprehensive range of MX TECHNOLOGY fire detection products and the market-leading QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

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