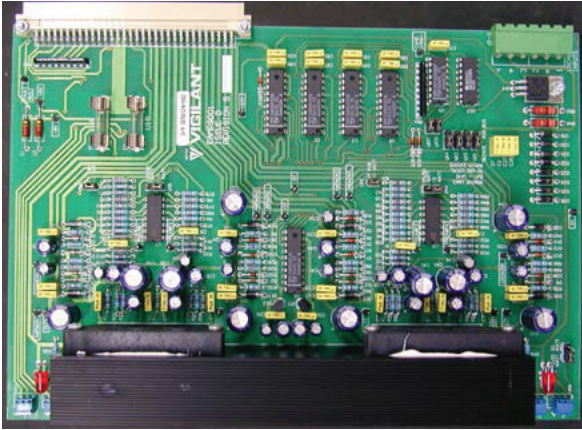
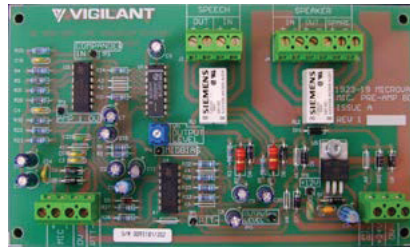


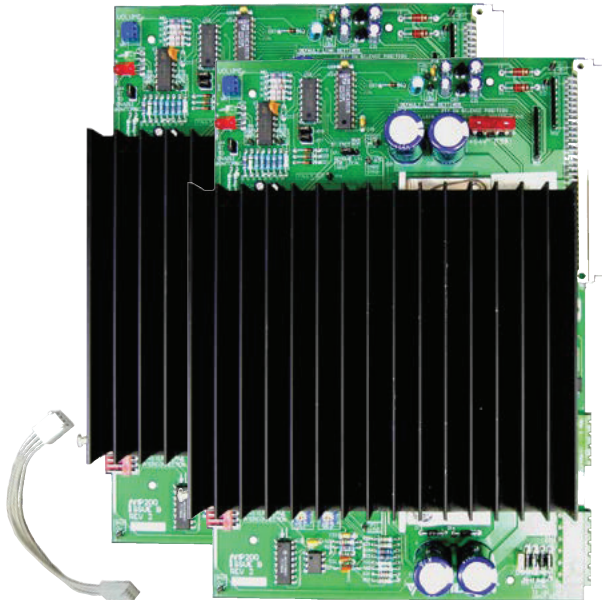
QE90 Spares - Amplifiers



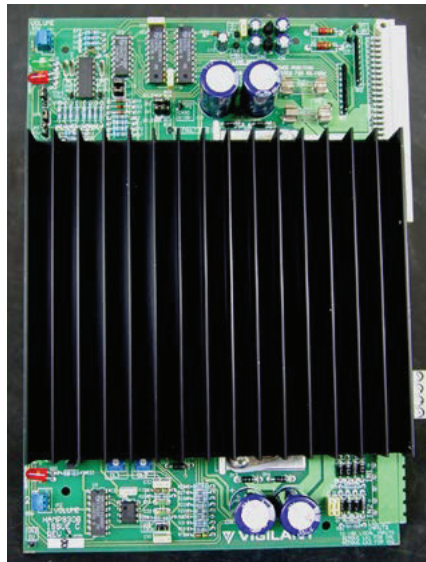
PA0650 EAMP9001
4x10W / 2x25W Zone Power Amplifier PCB
Dimensions 233x159x48mm



PA0688 1923-19
Microvac Mic Pre-Amp



KT0519 200W Amplifier Module Kit
The 200W amplifier comprises two PA0647 AMP200 PCB modules and one LM0141 FRC loom.

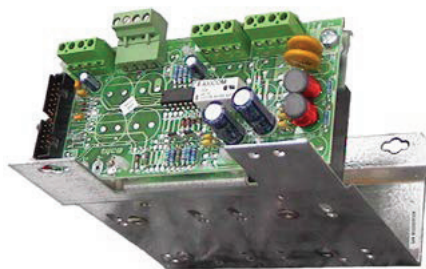


PA0690 HAMP9308
2x50W Amplifier Module

QE90 Spares - Transformer Modules



PA0691 HTRN9308-1
2x50W Transformer Module



PA0692 HTRN9308-2
1x100W Transformer Module

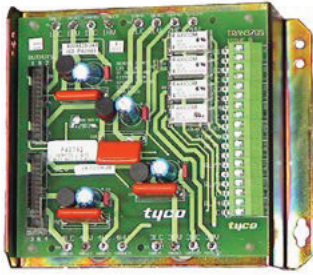


PA0648 TRAN200
200W Transformer
Typical Dimensions 140x140x85mm, 3kg

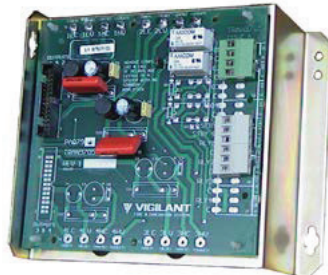
PA0695 HTMS9408-2
2x50W Transformer Music Switching Module

PA0696 HTMS9408-2
1x100W Transformer Music Switching Module

QE90 Spares - Transformer Modules



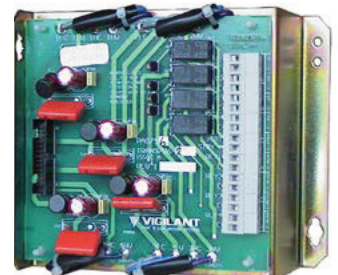
FP1078 TRAN9705-2 (PA0792)
4x25W Transformer Module c/w
Relays incl. 2x PA0650 EAMP9001



FP1076 TRAN9705-4 (PA0794)
2x25W Transformer Module c/w
Relays incl. PA0650 EAMP9001

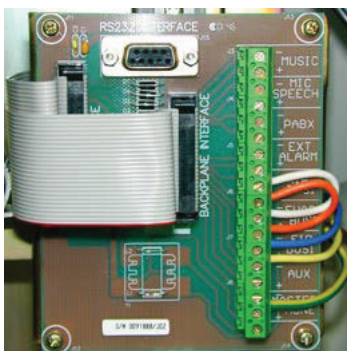


PA0795 TRAN9706-1
4x10W Transformer Module
without Relays



FP1077 TRAN9706-2 (PA0796)
4x10W Transformer Module c/w
Relays incl. PA0650 EAMP9001

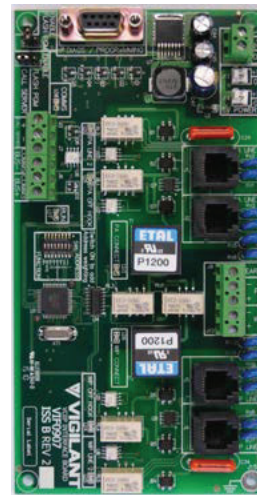
QE90 Spares - Interface Modules



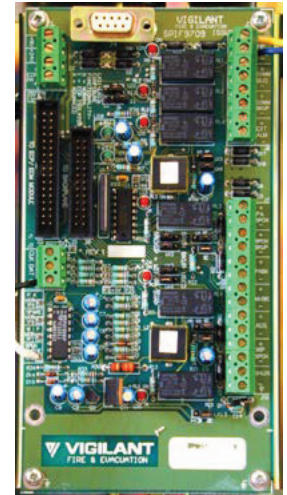
PA0657 SE9004 Signal Interface



PA0481 RZDU/RS232
Interface 1901-100,
includes LM0061



PA0644 VIF0907
VoIP Interface incl. 1x LM0448, 2x
LM0552, DIN rail mntg h'ware



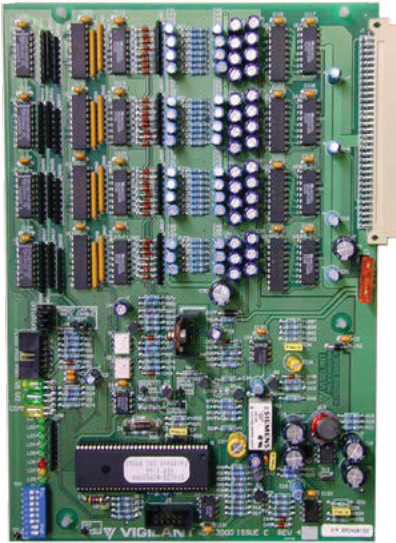
FP1071 SPIF9709
(PA0649) SECP Panel
Interface PCB

QE90 Spares List - Major Components

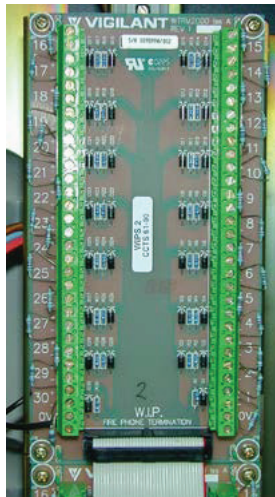
Part No.	Description	Part No.	Description
FA2027	Keypad Only, ECP+2Z Keyboard, no Name, 3 WIP per Zone	PA0758	PCB Assy, QE90, EMUX9601, Multiplexer 16sec Speech
FA2029	Keypad Only, 8Z Extender Keyboard, 3 WIP per Zone	PA0759	PCB Assy, QE90, EMUX9601, Multiplexer 60sec Speech
FP1083	Display Assy 3 WIP per Zone, 8 Zone Extender incl. PCB	PA0792	PCB Assy, TRAN9705-2, 4x25W Module c/w Relays
ME0207	ECP Assembly 3 WIP per Zone including ECP	PA0794	PCB Assy, TRAN9705-4, 2x25W Module c/w Relays
ME0381	Assy, ECP + 2Z Keybd, 3WIP/Z Inner Door & Keypad only (>21u)	PA0795	PCB Assy, TRAN9706-1, 4x10W Module Without Relays
ME0382	Assy, ECP 8Z Keybd, 3WIP/Z Inner Door & Keypad only (>21u)	PA0796	PCB Assy, TRAN9706-2, 4x10W Module c/w Relays
PA0623	PCB ECP9702-2 Evac Cntrl, Socket for Site-Specific WIP s/w	PA0916	PCB Assy, QE90 WTRM2000, WIP Termination (DIN)
PA1144	PCB Assy, WIPS2017 WIP Slave, 0v Ref	FP1068	PCB Assy, FIB8910 FIP/BGA Master (DIN Rail)
PA0643	PCB Assy, ECP9702-2 Evac Cntl Panel 3WIP/Zone	FP1069	PCB Assy, FIPE9004 FIP/BGA Extender Module (DIN Rail)
PA0646	PCB Assy, ALIM9706 Audio Line Isolator Module	FP1070	PCB Assy, QE90 STRM9502 Strobe/relay Module (DIN Rail)
PA0647	PCB Assy, AMP200 200W Amplifier Module	FP1071	PCB Assy, SPIF9709 Secondary Panel Interface (DIN Rail)
PA0648	PCB Assy, TRAN200 200W Transformer Module	FP1072	PCB Assy, QE90 ECM9603 Evac Comms Module (DIN Rail)
PA0650	PCB Assy, EAMP9001 4 Zone Power Amp	FP1073	Assy, WIP Slave + Termination PCBs Upgrade Kit
PA0653	PCB Assy, EMSP8911-2 Disp Kbd 3WIP/Zone - refer FP1083	FP1074	Assy, 100W Amp + HTRAN9308-2 Upgrade Kit
PA0657	PCB Assy, QE90 SE9004 Signal Interface (DIN Rail)	FP1075	Assy, 2x50W Amp + HTRM9308-1 Upgrade Kit
PA0660	PCB Assy, QE90 BPLN2000 Backplane	FP1076	Assy, 2x25W Amp + TRAN9705-4 Upgrade Kit
PA0690	PCB Assy, QE90 HAMP9308 2x50W Amplifier Module	FP1077	Assy, 4x10W Amp + TRAN9705-2 Upgrade Kit
PA0691	PCB Assy, QE90 HTRM9308-1 2x50W Transformer Module	FP1078	Assy, 4x25W Amp + TRAN9705-2 Upgrade Kit
PA0692	PCB Assy, QE90 HTRM9308-2 1x100W Transformer Module	FP1079	Assy, 200W Amp + TRAN200 Upgrade Kit
PA0695	PCB Assy, QE90 HTMS9408-1, 2x50W Xfmr Mod Music Sw		

Refer to Page 125 for comprehensive list

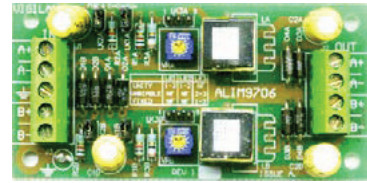
QE90 Spares



PA1144 WIPS2017
WIP Slave Module 0V Ref Inputs



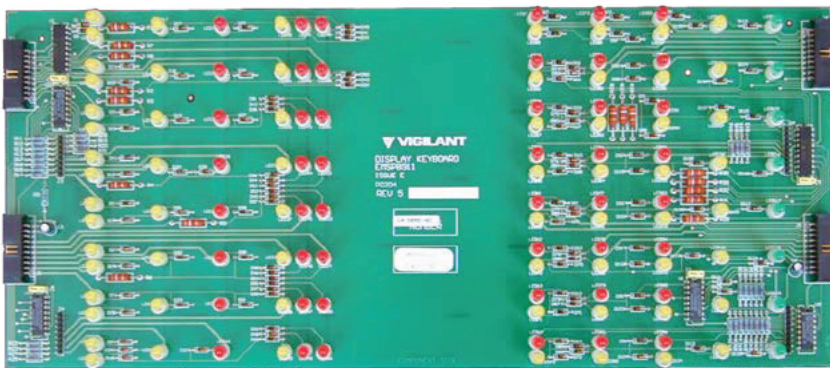
PA0916 WTRM2000
WIP Termination Module



PA0646 ALIM9706
Audio Line Isolator Module

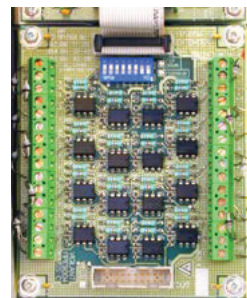
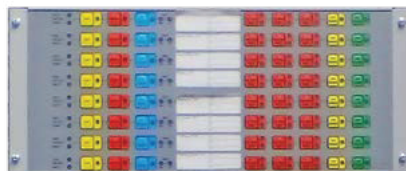


FP1068 FIB8910 (PA0651)
FIP/BGA Master Module
DD0084 FIP EOL Zener Diode

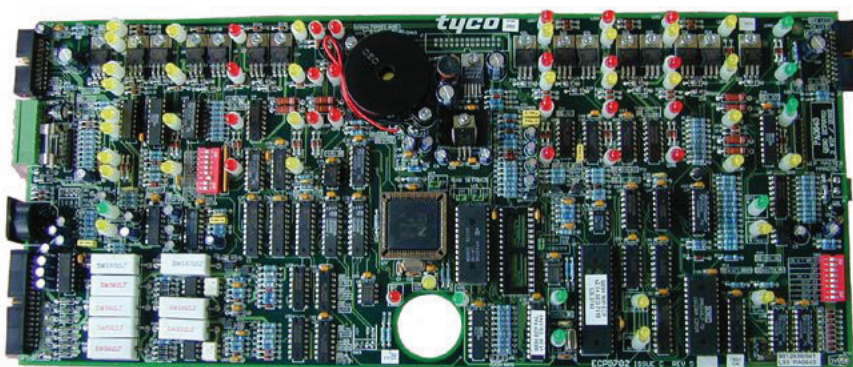


PA0653 EMSP8911-2
3 WIP/Zone Display Keyboard Module
For replacement part use FP1083

FP1083 8Z Display Extender 4U Door
FA2029 8Z Extender Keypad only



FP1069 FIPE9004 (PA0652)
FIP/BGA
Extender Module



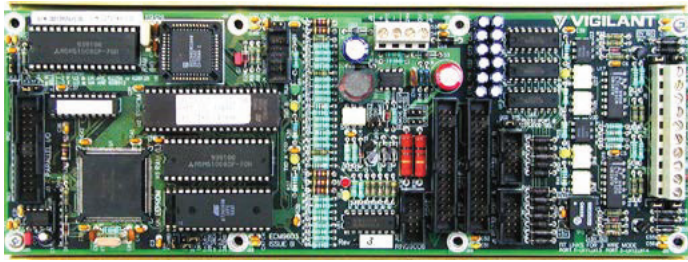
PA0643 ECP9702-1
3 WIP/Zone Control Module

ME0207 ECP+2Z Display 4U Door
FA2027 ECP+2Z Keypad only

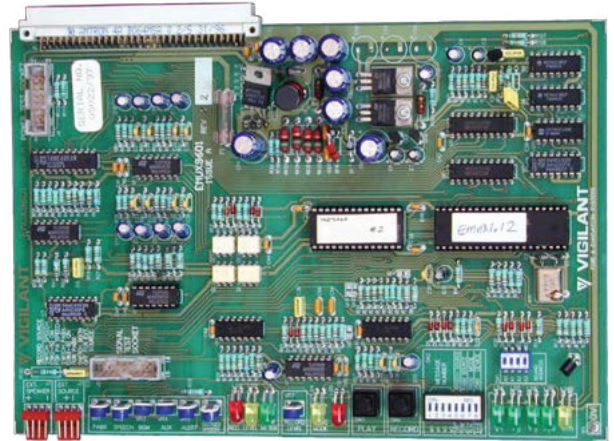


FP1070 STRM9502
(PA0697) Strobe/Relay
Module (WEB) with AS
2220/ISO 8201 Selection

QE90 Spares – Communications



FP1072 ECM9603 (PA0698)
Evac Communications Module



PA0758/759 EMUX9601
Multiplexer 16/60s Speech with
AS 2220 and ISO 8201 Selection

Warning System Generators

Mini-Gen Mk2

Mini-Gen Mk2 connects directly to VIGILANT fire alarm panels, but may be connected to other suitable panels. It utilises the fire alarm panel’s warning system output supervision to supervise the wiring for open and short-circuit faults. Mini-Gen Mk2 has in-built software allowing link selection to configure the Alert and Evacuate signal type, timing including keywords and voice message. **Part Numbers:-** PA1026 (PCB only), 4100-1026K (SIMPLEX bracket).

T-Gen2 Emergency Warning System

New standard, new protection.

VIGILANT continues to be synonymous with effective and reliable Emergency Warning Systems.

The T-Gen2 is the heart of a range of new, sophisticated Emergency Warning Systems (EWS) complying with AS 4428.16 and NZS 4512. Drawing on over 100 years of innovation, T-Gen2 is powerful, feature-packed, yet easily configured to suit almost any installation requirement.

The T-Gen2 tone generator/amplifier module provides a 100V audio output suitable for wiring to multiple 100V loudspeakers located in the evacuation zone of the building. Available in two configurations – T-Gen 60 which provides a 60W rms output and T-Gen 120 which provides 120W rms. Both models include:

- 2A supervised strobe output
- 6 Supervised digital inputs
- 4 Open collector outputs
- PA Mic audio/PTT input
- 2 Line-level audio inputs
- Master/slave operation

Grade 3

A single evacuation zone (all-out) system where the same warning signal is generated throughout the building. A single storey building of less than 2000m² will have a single output from the Emergency Warning System wired to all speakers. A multi-storey building (up to 25m high) or a single storey of greater than 2000m² will need separate outputs per floor or area greater than 2000m². These can be provided by adding 100V Splitter or Switching Modules to the T-Gen2 output, or using Slave T-Gen2 units connected to the Master T-Gen2.

Grade 2

Used where separate evacuation signals or phased evacuation is required to multiple evacuation zones, but where a Grade 1 or Emergency Intercom System isn’t required under the National Construction Code. Used in buildings up to 25m high.

Grade 2 is a multi-zone Emergency Warning System where the activation and silencing of the warning signals may be controlled by the fire alarm panel. A Grade 2 system may have a phased evacuation and may involve an alert signal and/or emergency speech function. It must be powered separately to the fire alarm panel.



Residential Care
Apartment Building
Backpackers



Carpark
Detention Facility



Hotel
School Residential
Accommodation



Shopping Centre
Office Building
Warehouse



Apartment Building
Backpackers
Carpark
Detention Facility



Hotel
Office Building
Warehouse

At a Glance

Grade 3 – simple ‘all-out’ EWS single/multi-level buildings

Grade 2 – phased evacuation, multi-zone EWS