

## QE90 EWIS

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### Overview:

The QE90 Emergency Warning and Intercommunication System (EWIS) is designed to facilitate the orderly evacuation of a building in the event of an emergency. The evacuation may be initiated automatically by a fire alarm system, or by a building occupant operating an emergency call point. Integrating a flexible alarm and voice warning system with a dedicated emergency intercom system, the QE90 allows fire wardens or emergency services personnel to easily control and coordinate rapid building evacuation.

The QE90 meets the control and indicating equipment requirements of installation standard AS 1670.4, complies with equipment standard AS 2220.1, and supports the ISO 8201 evacuation signal.

### Features:

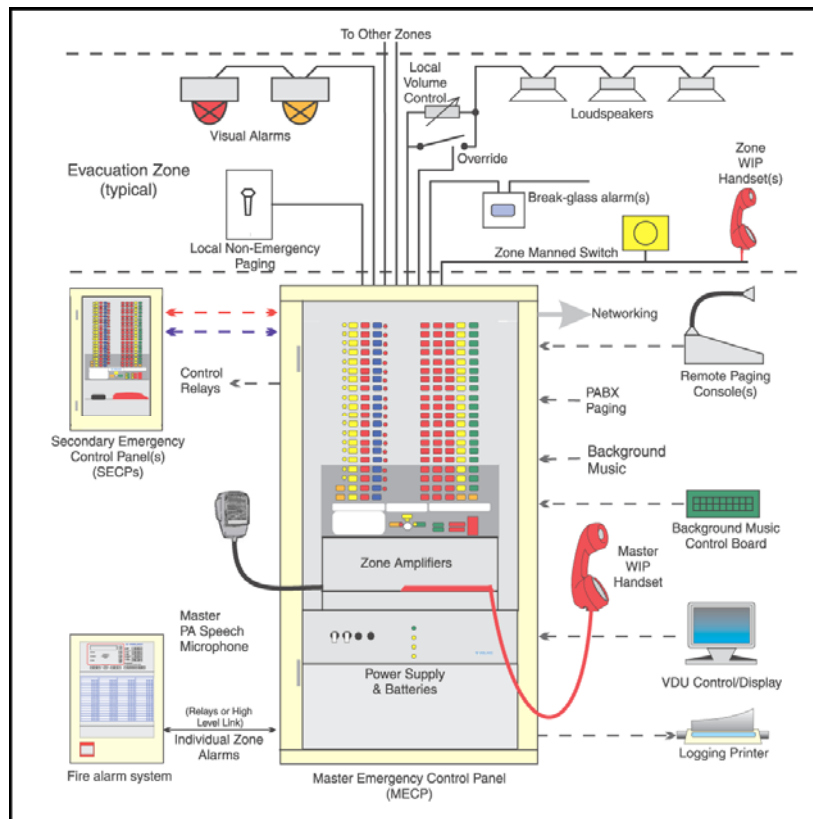
- 🔗 Emergency Warning System – generates and controls audible warning signals via dedicated amplifiers and loudspeakers for each building zone. An emergency microphone allows public address by zone or globally
- 🔗 Emergency Intercommunication System – provides dedicated communication between Emergency Control Panel (ECP) and Warden Intercommunication Points (WIPs) in each zone
- 🔗 Secondary ECPs (SECPs) – may be connected to allow control and monitoring of the Main ECP (MECP) from multiple locations
- 🔗 Networking Capability – extends the concept of secondary ECPs to enable multiple ECPs and / or equipment racks to be interconnected throughout a large building complex or site
- 🔗 Easy Operation – ergonomically designed vertical format keyboard aids user perception and operation. Membrane keys with indicators provide positive feedback of operation. Manual keyswitch selects Automatic, Manual and Isolate
- 🔗 Flexible Configuration
  - 🔗 Choice of 10, 25, 50, 100 or 200 Watt RMS power amplifier modules
  - 🔗 Selection of ISO 8201 or AS2220 evacuate signals
  - 🔗 Background Music (BGM), local and non-emergency paging by zone
  - 🔗 Up to 3 discrete WIP locations available per zone
  - 🔗 Emergency alarms and public address override non-emergency features
  - 🔗 Customised cascade sequence available to suit applications
  - 🔗 Modular construction suits future extensions
- 🔗 Special digitised voice messages available for both alert and evacuate signals
- 🔗 Duplicated communications link between MECP and SECP(s), and between networked ECPs
- 🔗 All circuits fully monitored for cable faults
- 🔗 Modular construction facilitates fault diagnosis and repair
- 🔗 Site programmable facilities include delays, zone grouping, zone isolation, cascade enable/disable and service fault history access
- 🔗 Factory programmable facilities include the system itself, control relay outputs, special cascade sequences, warden zones, call point mapping and other optional features



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## Specifications:

Panel size:	18U	21U	28U	40U	Double 28U	Double 40U
Height (mm)	885	1050	1330	1865	1330	1865
Width (mm)	575	575	575	575	1150	1150
MECP Depth (mm)	380	350	380	380	–	380
SECP Depth (mm)	205	–	205	205	205	–
Maximum number of zones with:						
10W RMS Amps	8	20	20	40	–	80
25W RMS Amps	4	10	10	20	–	40
50W RMS Amps	4	10	10	20	–	40
100W RMS Amps	2	5	5	10	–	20
200W RMS Amps	2	2	2	4	–	8
Speaker Line Voltage	100V RMS at rated power output					
WIP Zones(max)	10	18	20	42	–	90
SECP Zones	1–18	–	19–34	35–42	43–74	75–90
Other configurations or larger systems available on request						
Cabinet Material:	1.6mm mild steel					
Cabinet Finish:	Baked epoxy					
Colour:	Cream Wrinkle BFF998CW					
Operating Temperature:	–5 °C to 45 °C					
Humidity:	up to 95% RH (non–condensing)					
Power Supply:	230VAC +10% –11%, 50Hz.					



QE90 EWIS system – typical configuration

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