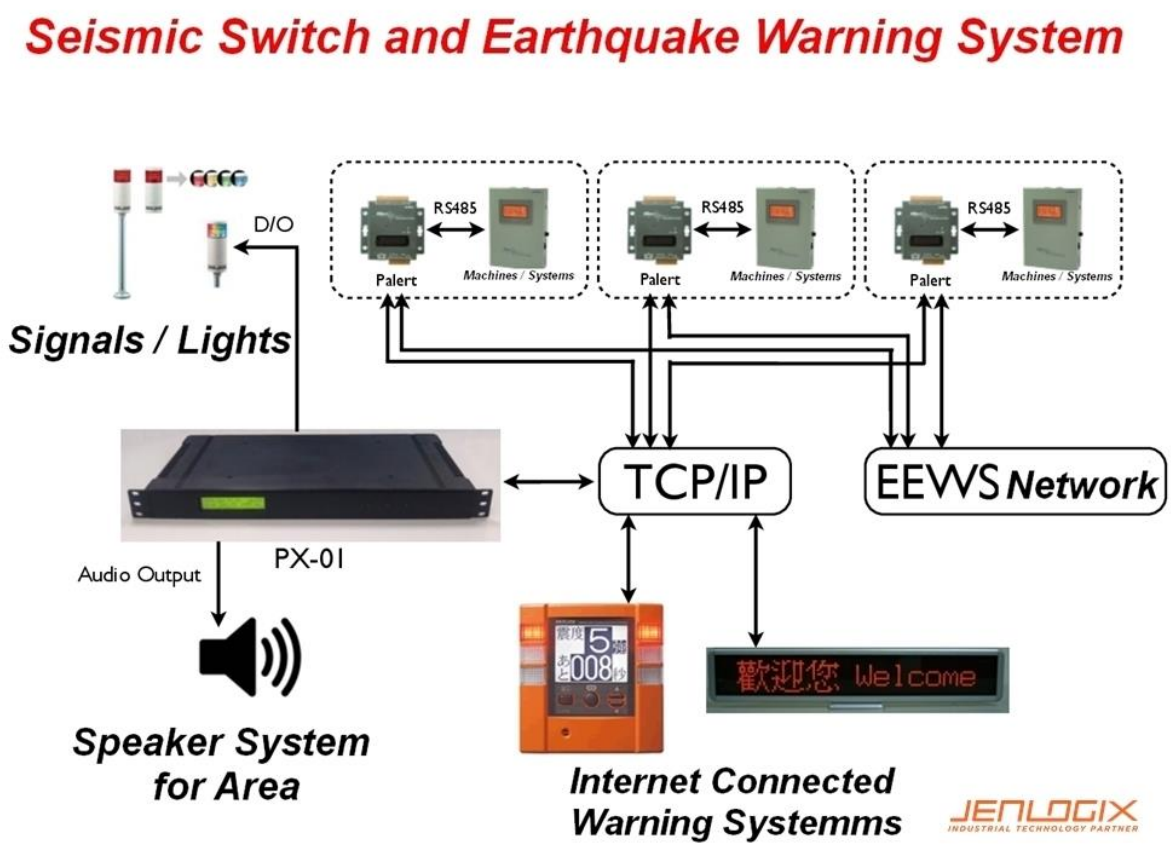
PX-01 Controller

In Taiwan and several other countries, the use of the low cost Palert system in conjunction with PX-01 controllers provides timely and accurate information enabling warning of an impending earthquake and meaning action can be performed to warn staff and protect equipment.

The PX-01 Controller manages the connected Palerts, receiving data in real time and provides 3 digital outputs for control of machines or alarms. It can store data from Palerts in the event of an event that interrupts network connections. Even if only locally connected the PX-01 and Palerts will continue to provide warnings and switch events with quakes and aftershocks.

When the Palert detects a P-wave or Seismic event the PX01 controller uses an X out of Y number of Palerts to determine if a real quake event is occurring or something else such as someone drilling into concrete near the Palert.



External Controls and Connections

1. LCD Screen
2. LED Warning Lights
3. Control Button
4. 110-220 volt AC
5. LAN
6. USB
7. 12V DC
8. Relay 1
9. Relay 2
10. Relay 3
11. Audio Out
12. Rain Gauge
13. Sound Source Switch

Power Control Button

The power control button has a number of options depending how long the button is held

1. Display IP Address
2. Voice Test
3. Reset
4. Range Gauge Alarm Reset
5. Range Gauge Alarm Enable
6. Power Off – 10 seconds

The PX-01 has a number of Modbus registry entries to manage configuration including IP address, trigger level of digital outputs, number of Palerts required to trigger out of all connected.

The PX-01 can be managed locally or remotely using simple terminal protocol connectivity.

The key benefit is automatic alarm and switches at a time when it is possible the staff may be more worried about their own safety

Thus far, Palert and PX-01 devices have been installed in China, Indonesia, Mexico, New Zealand, India and Taiwan.

The Palert Earthquake Early Warning (EEW) Unit

Contact Keith on 021840530 or keith@jenlogix.co.nz for more information