Palert Cube: A Smart Hybrid Warning Device

Introduction

Palert Cube is an alarm device that is triggered by activation of devices in an earthquake warning network. The Cube completes the full earthquake warning solution including the PX-01 controller and Palert/Palert+ (P wave seismographs). It automatically alarms for both regional warning and local seismic systems.

Cube is an intelligent wall-mounted earthquake alarm which can operate stand alone or through the network link to a central warning system.

The PX-01 Controller receives details from either a group of Palert devices and/or via a central warning network. The Cube will then display the Earthquake Alarm, Timing and current P-wave warning, or S-wave alarm for the current earthquake. In addition, the Cube can also display any text information received for example information from a central warning system, tsunami information or aftershocks information. By providing a complete solution for Earthquake warning, the Cube, PX-01 and Palerts can help in disaster reduction with warnings, system control/shutdown, building structural health, and ongoing warning for earthquakes including aftershocks, helping to reduce the effect of any disaster.

Features

- Industrial grade large size colour touch display interface with a separate high brightness three-color LED indicator, providing visible warning
- Regional warning: direct access to a central server for detailed earthquake warning. Messages received can be forwarded to other Cube units providing a substantial increase in warning coverage
- With high-resolution speakers, pre-recorded voice or high-decibel warning sound can be played
- The device is equipped with three sets of relay output contacts, to control external devices or drive warning lights. The alarm thresholds are configurable
- Ability to send MQTT alert message (IoT)

Specification

- Built-in 7" industrial grade touch screen
- High decibel horn (4Ω)
- High-resolution three-color 50 ΦLED (RYG)
- Built-in clock accuracy (RTC): ± 60 seconds / year
- Power: 12 Watt (@ 24VDC

Environmental

- Operating temperature: -20 ° C to + 70 ° C
- Relative humidity: 5 to 90% RH, non-condensing
- Dimension (W x H x D): 300mm x 350mm x 122mm
- Weight: 5.8 kg

JENLOGIX
INDUSTRIAL TECHNOLOGY PARTNER

sanlien