



LEAK DETECTION – ONE-TOUCH CENTRAL PROCESSING UNIT CPU-1000



The 'Aqualarm One Touch' Central Processing Unit shall be wall or floor mounted and be of a mild steel construction and powder coated.

The CPU-1000 combines the latest addressable CAN BUS technology for monitoring and displaying information of alarms / alarm conditions within the running protocol of a Windows® program. It will be capable of monitoring up to 25 detectors from the full 'Aqualarm' range including water, refrigerant gas, fuel oils, temperature and humidity as well as up to 25 i-Zone Control Panels or APM-25 Area Power Modules resulting in a combined monitoring power of up to 650 detectors.

The CPU-1000 can also monitor up to 25 LS-2i LeakSense Control Panels or ZLM-500 Zone Locating Modules, to create a fully comprehensive Locating System.

When alarm conditions are raised, they will be displayed on the TSM-1 Touch Screen Monitor, with the use of detailed layout maps for the area(s) being protected. Alarm history is stored on the unit's own internal hard disk drive for future perusal.

Operating Instructions, Commissioning, Maintenance and Service logs are all stored electronically on the system for ease of retrieval and use.

The system is supplied with 5 volt free outputs, and a RS-485 output to relay alarm conditions to other controls such as Building Management Systems.

As the CPU-1000 is essentially a PC based product we strongly recommend the power supply is either connected directly to the building UPS system or an after market proprietary unit which is purchased to support the system should the mains be interrupted or fail.

Main Features

CAN BUS Technology
 Alarm Horn 97db @ 1m
 Alarm Horn Mute Facility
 Door 'Power Of' Interlock Switch
 Circuit Continuity Alarm
 'Mains On' LED
 'Battery On' LED
 Reset Facility
 Key Operated Cabinet Lock
 Alarm Relay Output
 Mains Fail Relay Output
 Network Failure Output
 Service Due Output
 RS485 Output
 Power Support System
 Parallel Printer connection

Power Supply

120-240 volts, single phase 50Hz fused 5 Amp.

Normal Operating Voltage

24v dc Internally Supplied.

Cabinet Rating

IP 54

Voltage to Detector

24 volts dc.

Quiescent Current

1.2 Amp @ 24v dc.

Operating Temperature

0 - 50 deg C.

Approvals

BS EN ISO 9001:1994
 EMC Directive 89/336/EEC
 CE Marked.