

PTW2-3300

Automatic Fire Alarm System

Description

As a new generation of cutting-edge intelligent products developed by Protectwell with more than 20 years of experience in fire protection, PTW2-3300 automatic fire alarm system is equipped with a number of revolutionary innovative designs such as large network capacity, N+1 loop card redundancy protection, and powerful CBE local mode in panel level, leading high-end industry applications with excellent performance.

- Cutting-edge technology for ultimate fire protection
- New industry benchmark for expanded networking capabilities
- Ultimate protection-100% failure proof
- New level of user experience

Features

Large capacity network nodes

- Support ring network.
- High-speed network based on optical fiber, which can support up to 252 network nodes.

High Speed Network

- Single-mode fiber network, bandwidth: 100M.
- Fire alarm and supervisory events can be received in 1s, faults and other events can be received in 3s.

N+1 Loop Card Redundancy Design

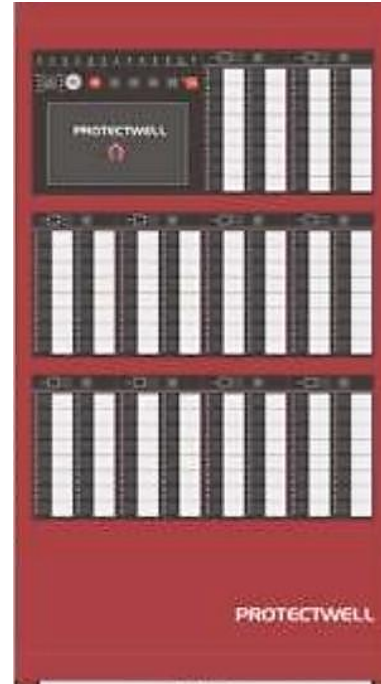
- The ninth loop card can be used as a backup of any loop card from the first to the eighth with auto loop card switch.
- Ensure no down time of the system, which is very useful for the uninterrupted operation or maintenance of the system.

Network Level Redundancy

- The system supports network-level redundant data links, applicable to high reliability scenarios.

CBE Local Mode in Panel Level

- CBE capability remains even though the CPU is down or removed.
- CBE is not limited to the same loop, it can be achieved at panel level.



Convenient Remote Operation

- Supports remote programming, commissioning, and software upgrade.
- This function provides great convenience on system installation and commissioning, and future upgrades and maintenance.

Programmable Buttons

- There are eight programmable buttons which can be used to define short cut actions such as start and stop, working mode selection etc., it can also be used as input module to participate in CBE.

Flexible Programming

- Support 1200 alarm areas, 1200 control areas, 1200 logic areas, and support AND, OR, NOT, EQU, GT and other logical operations as well as DEL, TMR timing functions.
- CBE can be triggered by fire alarm, supervision, failure, or other events.

Benefits

- Can support up to 16 signaling line circuit (SLC).
- Each SLC can support up to 254 addressable devices.
- Support N+1 loop card redundancy, support up to 9 loop cards, two loops per card, the 9th loop card is used as a redundant one.
- Support up to 126 floor displays.
- Micro-printer interface.
- Real-time clock.
- Supports the connection of CRT graphics display.
- High speed optical fiber network, support up to 252 network nodes.
- SLC Wiring: Class A / Class B.

Specifications

Input Voltage: 110/220VDC.

Output Voltage: 24VDC.

Power: 350W.

Charge Current: 2.5A max.

Fault Signal Output: Relay dry contact, 1 circuit.
Contact capacity 3A@30VDC.

Battery Capacity (Wall-mounted): 22AH.

Total Number of Intelligent Devices: 4064.

Total Number of Intelligent SLC: 16.

Total Number of Intelligent Devices per SLC: 254.

Total Number of Floor Displays: 126.

The Number of Printer: 1.



PSB Singapore

BS EN 54-2:1997+A1:2006
BS EN 54-4:1998+A1:2003+A2:2006
SS 645:2019 (cl 5.2, 5.3, 5.4, 5.5)