

COMMISSIONING & ENGINEERING FUNCTIONS

With the growing emphasis on safeguarding property as well as people, the market for automatic fire suppression systems is booming. The EP203 three zone automatic extinguisher panel from Context Plus has been specifically designed to meet this demand.

Fully compliant with **EN 12094 part 1** (the European standard for Fixed Firefighting Systems - Components for Gas Extinguishing Systems), the panel epitomises quality, durability and reliability and is ideal for use in any area housing expensive, dangerous or irreplaceable items of equipment.

Featuring an intuitive 128 x 64 pixel two-colour graphic display that gives clear and concise feedback to the user, installer and commissioning engineer, the panel also includes six monitored inputs (including hold and abort), a time stamped log, adjustable flood times and volt-free changeover relays for fire, local fire, 1st stage active, 2nd stage active, extractor fan and fault.

The panel is supplied in an elegantly styled, durable enclosure with all of its electronics - apart from its powerful 3A EN54-4 switch mode PSU - mounted on a detachable metal bridge plate for ease of installation. A wide range of ancillaries are also available including remote status units, hold-off and abort buttons, line terminators and output expansion relay boards.

- ▶ Fully compliant with EN 12094 part 1
- ▶ Functions as a standard three zone fire panel with additional circuitry for controlling the release of fire-suppressing gas into protected areas
- ▶ Unique 128 x 64 pixel graphical display facilitates straightforward system programming
- ▶ Any combination of activated zones can be programmed to automatically start the panel's extinguisher release sequence
- ▶ Includes a pull-down front-panel manual release button and two keyswitches for accessing the panel's functions and toggling between auto/manual mode
- ▶ Three conventional sounder circuits (two x 1st stage, one x 2nd stage)
- ▶ Powerful 3A EN54-4 compliant switch mode PSU
- ▶ Low quiescent current - less than 40mA on mains fail
- ▶ Wide range of monitored inputs and auxiliary outputs (see schematic)
- ▶ Abort and hold inputs allow the panel's release sequence to be cancelled or suspended at any time
- ▶ Time-stamped event log
- ▶ RS485 connections for up to eight flush or face remote status units with their own LCDs, manual release and mode (auto/manual) switches. Single gang economy status units (without an LCD) are also available.
- ▶ Extensive range of commissioning and engineering functions
- ▶ Optional relay expansion boards and single gang abort and hold buttons
- ▶ Ideal for use in computer rooms, telecommunication centres, archive storage areas, chemical plants, generator rooms, museums, etc..
- ▶ System line terminator included with all panels



▶ **Zone selection:**
Selects the zone combination that starts the extinguishant release sequence

▶ **Extinguishant delay:**
Sets the countdown duration before extinguishant release

▶ **Extinguishant duration:**
Sets the duration of the firing signal to the extinguishant output

▶ **Flooding time:**
Sets the duration for the release of extinguishant

▶ **Extract option:**
Enables/disables the ventilation extract option

▶ **Extract time:**
Sets the duration for the ventilation extract fan operation

▶ **Sounder delay:**
Sets the delay duration before the fire sounders are activated

▶ **Remote status unit learn:**
Finds all remote status units and updates the panel's database

▶ **Extinguishant output EOLs:**
Selects the number of extinguisher circuit terminations

▶ **Mode exceptions:**
Selects the default setting mode when the mode input is in Fault and/or Disabled

▶ **Earth fault:**
Disables/enables the panel's earth fault monitoring circuitry

▶ **Manual release mode:**
Selects either delayed or immediate release of extinguishant

▶ **Zone trigger:**
Enables a short circuit condition on the three detection zones

▶ **Clean start:**
Clears the panel's memory back to its default factory settings

▶ **Walk test:**
Puts detection zone(s) into walk test mode

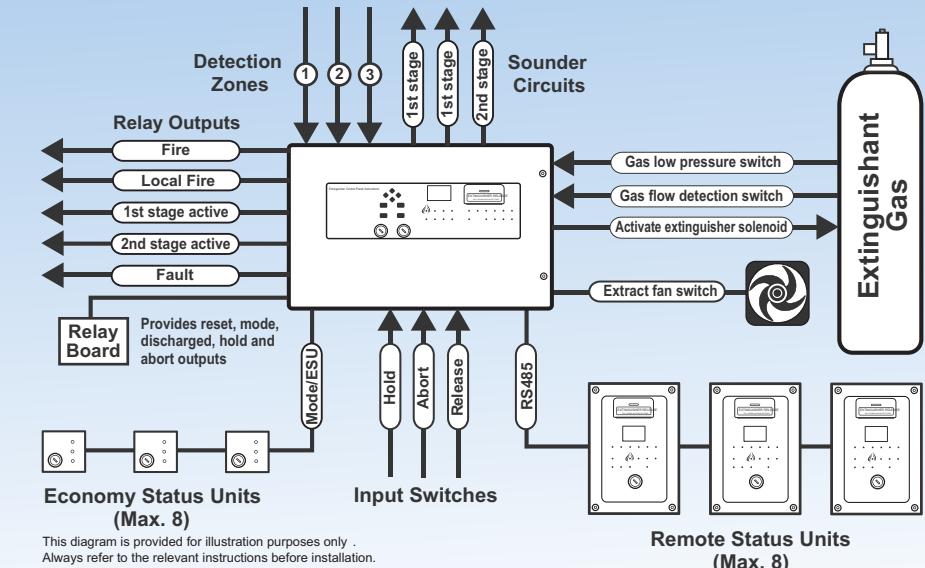
▶ **Test relays:**
Tests the panel's auxiliary relay outputs

▶ **Test sounders:**
Tests the panel's sounder circuit

▶ **Monitoring:**
Applies a constant monitoring voltage

▶ **Show PSU stats:**
Displays the status of the panel's power supply & standby battery

AN OVERVIEW OF THE EP203'S INPUTS AND OUTPUTS



This diagram is provided for illustration purposes only. Always refer to the relevant instructions before installation.

