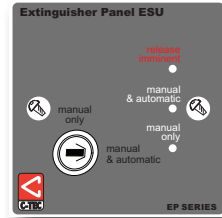## EP211

Economy Status Unit • Installation Instructions

⚠️ **THIS EQUIPMENT MUST ONLY BE INSTALLED BY A SUITABLY SKILLED AND TECHNICALLY COMPETENT PERSON. ENSURE THE PANEL IS ELECTRICALLY ISOLATED PRIOR TO INSTALLATION.**

GENERAL

The Economy Status Unit (ESU) connects to the EP203 Automatic Extinguisher Panel and provides remote indication of extinguishant "release imminent" with a mode select switch (Manual Only or Manual & Automatic).
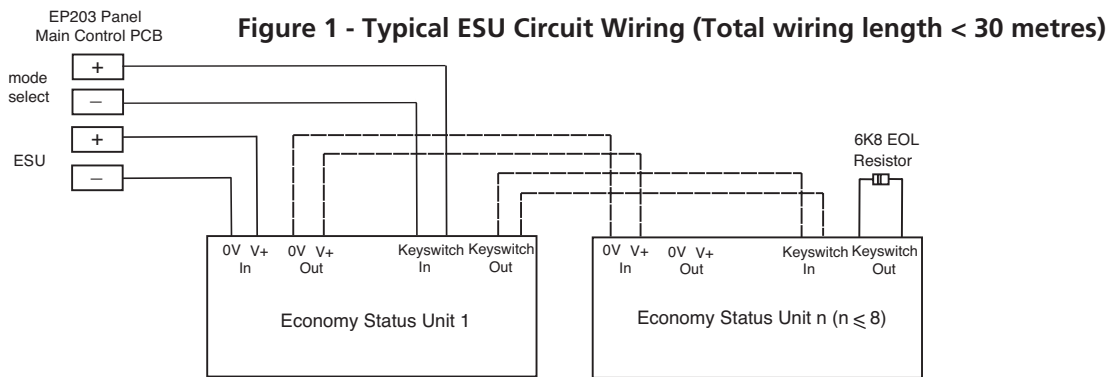
INSTALLATION

Location and Fixing

The ESU must be sited indoors on a dry, flat surface. Ideally the indicators should be at eye level and the status of indicators clearly visible. The ESU uses a single-gang mounting arrangement. Fix the ESU securely into its back box (supplied by others) using the two mounting holes provided. These are suitable for use with 2 x (3.5 x 40mm) screws. During the fixing process, care must be taken not to damage internal wiring or components.

Wiring

The first ESU connects to the relevant connector block on the Main Control PCB, inside the EP203 panel, via a 4-wire connection (2-wire power, 2-wire mode select). The wiring is then daisy-chained onto the remaining ESUs (see Figure 1 below). Total wiring length < 30 metres. A 6k8 end-of-line resistor (supplied in the main EP203 panel accessory pack) must be connected across the terminals of the last ESU on the circuit to allow the wiring to be line monitored for open and short circuit faults.

Figure 1 - Typical ESU Circuit Wiring (Total wiring length < 30 metres)

CONTROLS & INDICATORS

Indicators (LEDs): Release Imminent (red LED indicates countdown timer to extinguishant release has started); Manual Only and Manual & Automatic (yellow LEDs indicate the mode status of the system).

Control (keyswitch): Insert and turn the ESU keyswitch to toggle the mode of the extinguishant system between Manual Only and Manual & Automatic. **Note**: When the ESU is in Manual Only mode, the EP203 panel also reverts to manual mode and extinguishant cannot be released by automatic fire detection.

TECHNICAL SPECIFICATION

Economy Status Unit (ESU)	Part No. EP211
Connections:	1st ESU (In 0V & V+) to Panel (ESU - & +); 1st ESU (Keyswitch In) to Panel (mode select - & +). 1st ESU (Out 0V & V+) to next ESU (In 0V & V+); 1st ESU (Keyswitch Out) to next ESU (Keyswitch In).
Power:	100mA electronic fuse
Max. number of ESUs:	Eight (8). Total wiring length < 30 metres.
Dimensions:	87mm(w) x 87mm(h) x 35mm(d) approx. (plastic)
Accessory Pack	
1 x Installation Instructions – Document No. DFU0000211 (this document); 2 x keyswitches; 1 x EP211 ESU PCB Assembly; 2 x (3.5 x 40mm) screws.	