

Do not attempt to install this equipment until you have fully read and understood the manual which can be found on our website

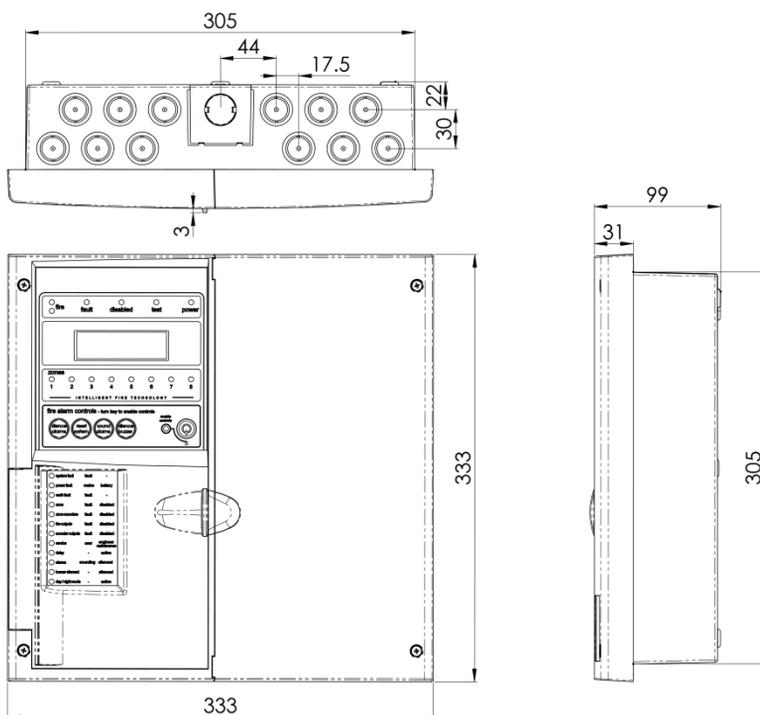


https://www.espu.com/technical_support/product_manuals/?cat=4

A knowledge of BS5839: Pt 1: 2017: Fire Detection and Alarm Systems for Buildings is essential. It is strongly recommended that a suitably qualified and competent person is consulted in connection with the Fire Alarm System design and that the entire system is commissioned in accordance with the current national standards and specifications.

Equipment Guarantee

The equipment carries no warranty unless the system is installed, commissioned and serviced in accordance with the manual and the relevant standards by a suitably qualified and competent person or organisation.



Access Levels and Codes

Access Level	Key Operation	Code	Controls Enabled LED
Normal	N/A	N/A	OFF
User	YES	1111	ON
Supervisor	NO	2222	SLOW FLASH
Engineer	NO	3333	FAST FLASH



Topology & Cabling

All system wiring should be installed to comply with BS 5839: and BS 7671 (wiring regulations) and any other standards relevant to the area or type of installation. A cable complying with BS 5839: Pt 1: Category 1 (cables required to operate for prolonged periods during fire conditions) is required. This must be a 2-core 1.5mm² screened fire resistant cable (ie. FP200, Firetuff, Firecell, Lifeline or equivalent).

Each zone requires a separate 2-core radial circuit from the control panel to the furthest point of the zone, to a maximum of 500 metres.

The cable screen must be connected to earth/ground at the control panel only.

The cable screen continuity must be maintained at every point of the circuit, using the terminals provided or a suitable connection block.

Do not use a 4-core cable as a circuit zone in and zone out, due to the possibility of data corruption. It is essential that two 2-core screened cables are used if this is required.

1



Write Protect Mode:

In the OFF position, as shown (left), engineering options may be viewed but no changes made



Write Enable Mode:

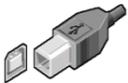
If changes are to be made, this switch needs to be in the ON position as shown (left).

If the switch is left ON whilst the panel is not in engineer mode a system fault will be reported.

2

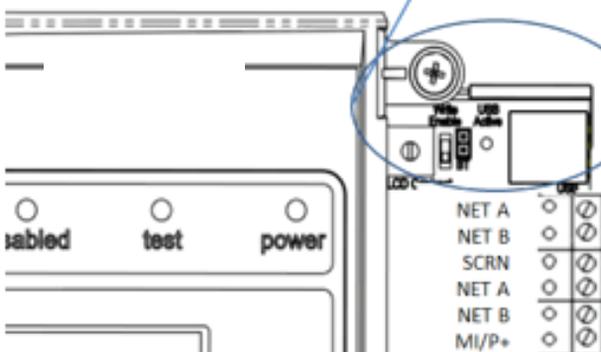
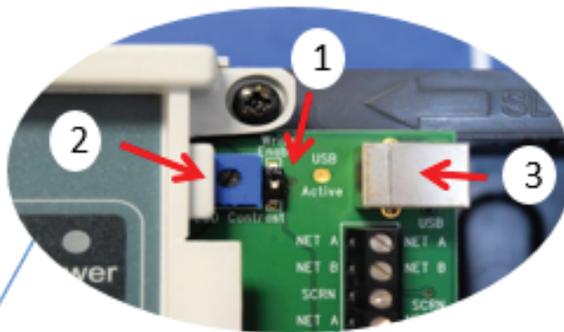
LCD contrast may be adjusted by rotating the screw on the variable resistor, located in the upper right hand corner of the main PCB.

3



The panel is fitted with an on board USB-B connector. This is to provide communication via a suitable USB lead to a PC for programming of panel options using the MAGDUO configuration software.

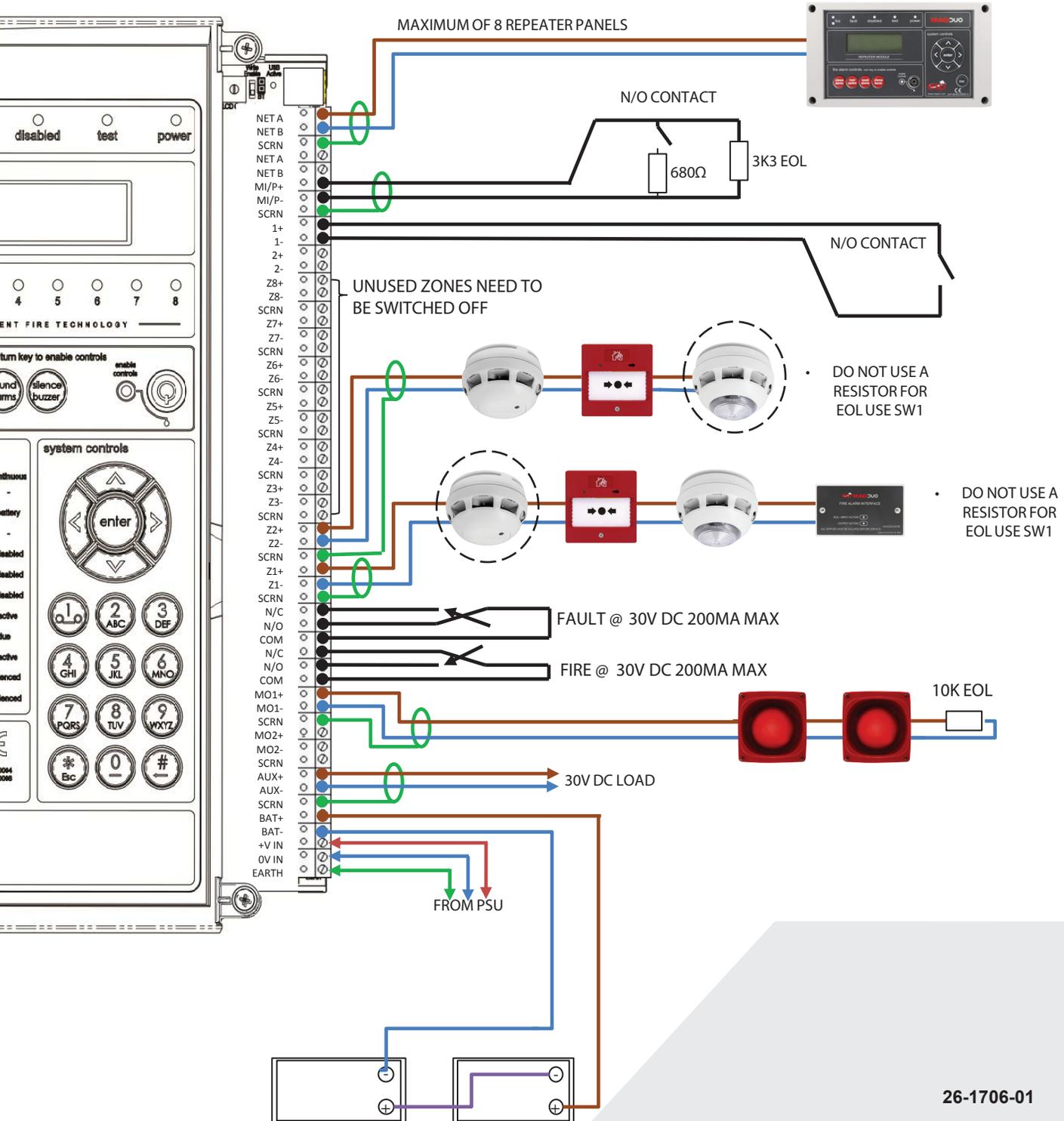
USB-B





- MAX ZONE LENGTH 500M
- UP TO 32 DEVICES PER ZONE
- BUILT-IN EOL CAPABILITY IN ALL DEVICES
- DETECTORS, SOUNDERS AND MANUAL CALL POINTS TO BE INSTALLED ON THE SAME PAIR OF WIRES
- DO NOT USE A RESISTOR FOR EOL

NETWORK CONNECTIONS ONLY AVAILABLE ON 4/8 ZONE PANEL TO ADD REPEATER





Control Panel Ratings	2 Zone Panel	4 Zone Panel	8 Zone Panel	Control Panel Fuses and Protection	2/4/8 Zone Panel
Weight (excluding batteries)	2.25 kg	2.28 kg	2.36 kg	Zone output	300 mA trip polyfuse
Mains voltage	230V AC Nominal 700mA			Sounder output	300 mA trip polyfuse
Operating voltage	Nominal 24V DC (Range 21-31V DC)			Remote fire output (mon relay)	300 mA trip polyfuse
Construction	V0 rated ABS			Auxiliary 24V DC supply	300 mA trip polyfuse
IP Rating	IP 30			Mains	T4A Time Delayed 20mm Ceramic
Operating standard	BS EN54-2 & 4			Battery Charger	300mA current limiter
Operating temperature	5°C to 40°C			Battery (reverse polarity)	3.15A F 20mm

Technical Data

For specifications of the MAGDUO, please see the MAGDUO Manual.

Technical Support

Due to the complexity and inherent importance of a life risk type system, training on this equipment is essential, and commissioning should only be carried out by competent persons.

ESP's policy is one of continual improvement and the right to change a specification at any time without notice is reserved. Whilst every care has been taken to ensure that the contents of this document are correct at time of publication, ESP shall be under no liability whatsoever in respect of such contents. E&OE.

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Elite Security Products Unit 7 Target Park, Shawbank Road, Lakeside, Redditch, B98 8YN England 11	
DoP-MAGDUO2-01, DoP-MAGDUO4-01, DoP-MAGDUO8-01	
EN54-2: 1997 +A1: 2006, EN54-4: 1997 +A1: 2002 +A2: 2006	
Intended for use in the fire detection and fire alarm Systems in and around buildings	
Essential characteristics	Performance
Operational reliability	Pass
Durability of operational reliability and response delay, Temperature resistance	Pass
Durability of operational reliability, Vibration resistance	Pass
Durability of operational reliability, Humidity resistance	Pass
Durability of operational reliability, Corrosion resistance	Pass
Durability of operational reliability, Electrical stability	Pass
Performance under fire conditions	Pass
Response delay (response time to fire)	Pass