



Control Panel

Model iZ-T25

SPECIFICATION

The i-Zone Touch Control Panel is suitable for wall mounting. It is constructed from mild steel, and has a durable powder coated finish.

It features a 7 inch full colour LCD Touch screen, and is capable of monitoring the full range of 'Aqualarm' detectors for water, fuel oils/chemicals, temperature, humidity, refrigerant gases and 2 x pulsed flow meters for incoming mains water supplies.

25 detectors/zones can be monitored via the current addressable CAN network, with planned future expansion to a RS485 network and a 433 MHz wireless network.

The Control Panel has 3 levels of use, Level 1 User level, Level 2 PIN protected Operator level, and Level 3 PIN protected Engineer access. In any alarm condition a 97db (at 1 metre) audible alarm will sound.

The default detector identification is 'Zone 1', 'Zone 2' etc, however these can be customer programmed to read site specific locations, eg 'Zone 1 Comms Room AC Unit 1, using the touch screen keyboard.

Each zone can be independently configured to automatically trigger panel relays, beacon & sounder outputs, and to enable, or disable the panel and detector sounders.

The Control Panel can store 100 events logs, which are protected by a non-volatile memory.

The system has an automatic Daylight saving setting to change times twice a year in line with UK protocols. This can be deactivated for export models.

The Control Panel can also monitor a maximum of 5 ZLM-500 modules (max100m network cable), before a separate power booster box is required, this will result in a single system monitoring 2500 metres of detecting cable. With this type of detector connected, in an alarm condition the display will show a meterage reading accurate to +/- 1 metre to the point of contact water has made with the cable.

Features of the Control Panel include a MUTE button, ISOLATE detector button, and RESET button. The SHOW ME feature allows the user to view a 'pinch to zoom' electronic map of the location of the alarm.

A HELP button will display information to aid users in understanding information being displayed. Detector /Zone parameters can be adjusted/set/changed by level 2 & 3 users.

The system is fitted with 2 x sealed rechargeable lead acid batteries to support the system in a mains power down/switch over periods. When power/mains is reinstated the system will automatically restart.

For remote signalling the Control Panel is supplied with the following outputs as standard: - MODBUS TCP/IP, five-zone relay contacts, which can be level 2&3 programmed to signal with any zone, 12v powered contacts to activate a sounder/beacon, repeater panels, 12 & 24v powered auxiliary outputs, and a 24v @ 8 amp relay for activation of a flow meter solenoid valve (note – this is NOT a powered relay).

For safety, the Control Panel is fitted with a key operated door lock and 'Power off' door switch.



Data

Main Features.....	7 inch full colour LCD Touch screen System will monitor 25 Detectors/Zones or ZLM-500's simultaneously. 2 x Flow meter inputs. Last 100 event memory. Alarm Siren 97db &1/m 3 User levels (two with PIN protection). Automatic daylight saving. ISOLATE alarm function with time selection. Configurable zone alarm functions. HELP pages with Explanations & Solutions. SHOW ME feature with 'pinch to zoom' electronic alarm maps. Micro SD card slot for system updates. Lockable powder coated mild steel cabinet. Door interlock safety switch Mains Fail battery backup & power down. Auto panel re-start.
Outputs.....	MODBUS TCP/IP Five programmable volt free contacts. -1Amp@125volts or 2Amps@30voltsDC Auxiliary 12v output - Max 500mA rating Auxiliary 24v output - Max 500mA rating Beacon 12v output - Max 500mA rating Sounder 12v output - Max 500mA rating Valve - connector rating 24v DC @ 8amps
Mains Voltage Range.....	110 or 240 volts A.C. @ 50 or 60Hz via a 5amp non-switched fused spur.
Normal Operating Voltage.....	24 volts D.C. internally supplied
Operating Temperature Range.....	0 to 50 deg. C.
Approvals.....	BS EN ISO 14001 & ISO 9001 : 1994 EMC Directive 89/336/EEC,CE Marked
Cabinet Dimensions.....	Height 355mm Width 290mm Depth 95mm

