



## Control Panel

# Model iZ-T25

### SPECIFICATION – LEAK DETECTION & ENVIRONMENTAL MONITORING

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 5 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 (see separate data sheet for full pulse flow details).

25 detectors/zones can be monitored via the addressable CAN 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 up to 5000 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 up to 25 x ZLM-50 modules (max 300/m network cable – iZ/NC-2 or Belden YR45119), this will result in a single system monitoring 1250 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.

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 are 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.....               | 5 inch full colour LCD Touch screen<br>System will monitor 25 Detectors/Zones or ZLM-50's simultaneously.<br>2 x Flow meter inputs.<br>Last 5000 event memory.<br>Alarm Siren 97db &1/m<br>3 User levels (two with PIN protection).<br>Automatic daylight saving.<br>ISOLATE alarm function with time selection.<br>Configurable zone alarm functions.<br>HELP pages with Explanations & Solutions.<br>Lockable powder coated mild steel cabinet.<br>Door interlock safety switch<br>Mains Fail battery backup & power down.<br>Auto panel re-start. |
| Outputs.....                     | MODBUS TCP/IP<br>Five programmable volt free contacts.<br>-1Amp@125volts or 2Amps@30voltsDC<br>Auxiliary 12v output - Max 500mA rating<br>Auxiliary 24v output - Max 500mA rating<br>Beacon 12v output - Max 500mA rating<br>Sunder 12v output - Max 500mA rating<br>Valve - connector rating 24v DC @ 8amps                                                                                                                                                                                                                                         |
| Mains Voltage Range.....         | 110 or 240 volts A.C. @ 50 or 60Hz<br>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<br>EMC Directive 89/336/EEC,CE Marked                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cabinet Dimensions.....          | Height 375mm<br>Width 310mm<br>Depth 95mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

