



Control Panel

Model iZ-T25

SPECIFICATION – BREEAM WAT 03 MAJOR WATER LEAK DETECTION

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 2 x pulsed flow meters for incoming mains water supplies, and the full range of 'Aqualarm' detectors for water, fuel oils/chemicals, temperature, humidity, refrigerant gases and (see separate data sheet for full detector details).

The i-Zone Touch Control Panel will allow users to meet the requirements of BREEAM WAT 03, and has the following features: -

The facility to monitor two pulse flow meters.

24v Relay output to control a solenoid valve.

Selectable 'pulse per litre' settings for all meter sizes.

7 or 28 day Learn programme, with simultaneous default level monitoring.

Default alarm levels of 50, or 10,000 litres per hour.

Every day is split into 24 individually programmable hours for full control.

UNOCCUPIED MODE function which overrides all current settings, and either triggers the relay instantly, closing a solenoid valve (if connected), or allows a minimum amount of water through before again triggering the relay.

Alarm override function.

Continuous Flow leak detection with adjustable time per pulse, and maximum allowed volume.

Month by month data logging of water consumption.

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 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.

Features of the Control Panel include a MUTE button, ISOLATE zone button, and RESET button. A HELP button will display information to aid users in understanding information being displayed.

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.....	7 inch full colour LCD Touch screen System will monitor 2 x Flow meter inputs & 25 Detectors/Zones or ZLM-500's simultaneously. Last 5000 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. 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 375mm Width 310mm Depth 95mm

