PROJECT FIRE

Addressable Controller

Data Sheet

ZCA-CTL-DS-12/25-4

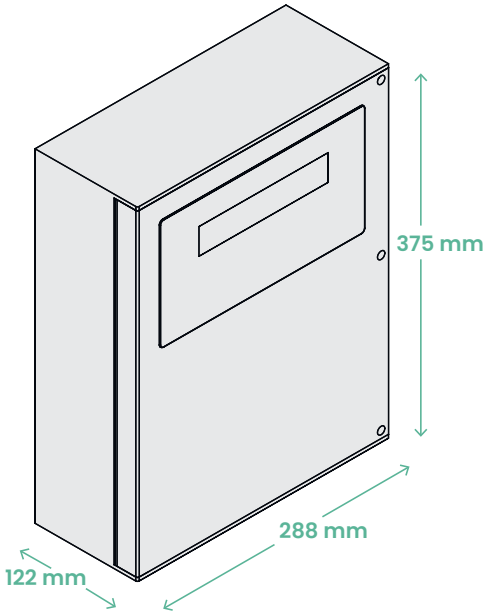
OVERVIEW

The Zonecheck Addressable Controller is the main user interface for the Zonecheck Addressable testing and monitoring system for automatic sprinkler systems. This primary purpose is to link all Zonecheck IMMs together into a single loop to allow centralised monitoring and initiate testing of flow-switches. The controller displays detailed and customisable status information on all sprinkler components connected to it such as Zonechecks, Gemini heads, pump house maintenance panels, monitored valves and trace heating controllers via the wiring loop. The controller also allows for test records and previous events to be viewed on the log. The controller is capable of outputting signals to other devices such as a printer, fire alarm panels, building management systems (including SCADA) and other indicating panels.

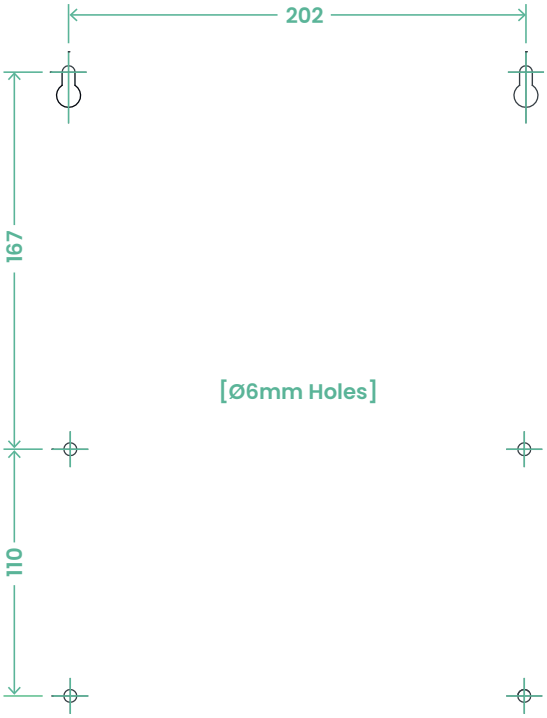
Specification

ADDRESSABLE CONTROLLER	
Environment	Indoor dry location
Mounting	6x Ø6mm wall mounting points
Mains Power Supply	120 - 240 VAC, 50 - 60Hz - 250W max
Battery Type	2 x 12V and 1 x 6V (7Ah)
Battery Backup	48 hours (under standard monitoring conditions)
Visual Alarm	Red/ Amber/ Green LED, Plus additinal infomation displayed on screen
Sounder Alarm	Yes (Pulsed for fault, continuous for fire)
Display	LCD, 4 line x 40 characters
Event Log	Yes
Pin Protected	Yes
Loop Monitoring	Yes
Battery Monitoring	Yes
Max IMM's per Loop	1000
Max Loop Length	3km (When using 1.5mm^2 conductors)
	4.5km (When using 2.5mm^2 conductors)

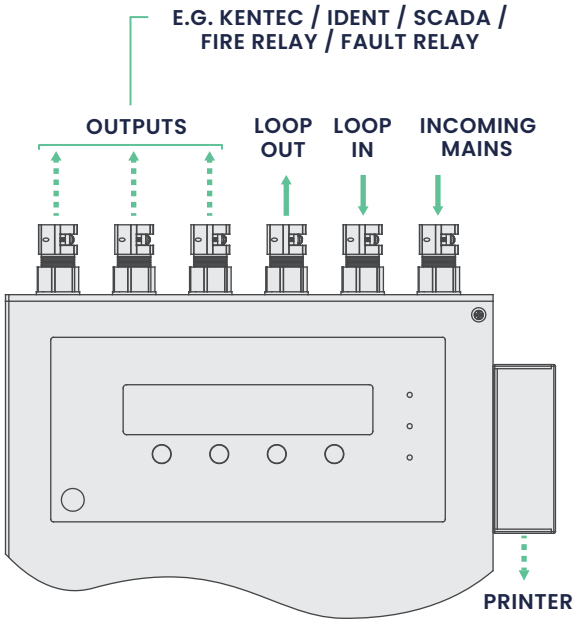
Dimensions



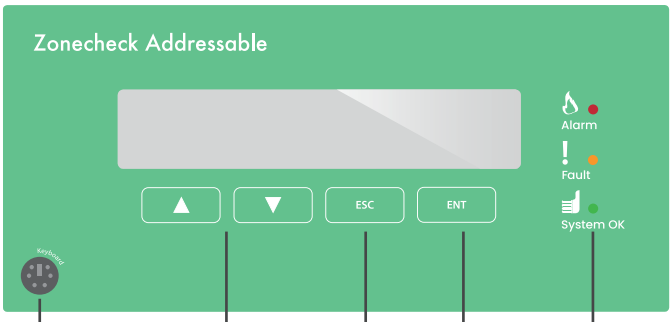
Mounting Points



Inputs & Outputs



Interface



KEYBOARD SOCKET
PS2 keyboard can be plugged in here to enable easier data entry.

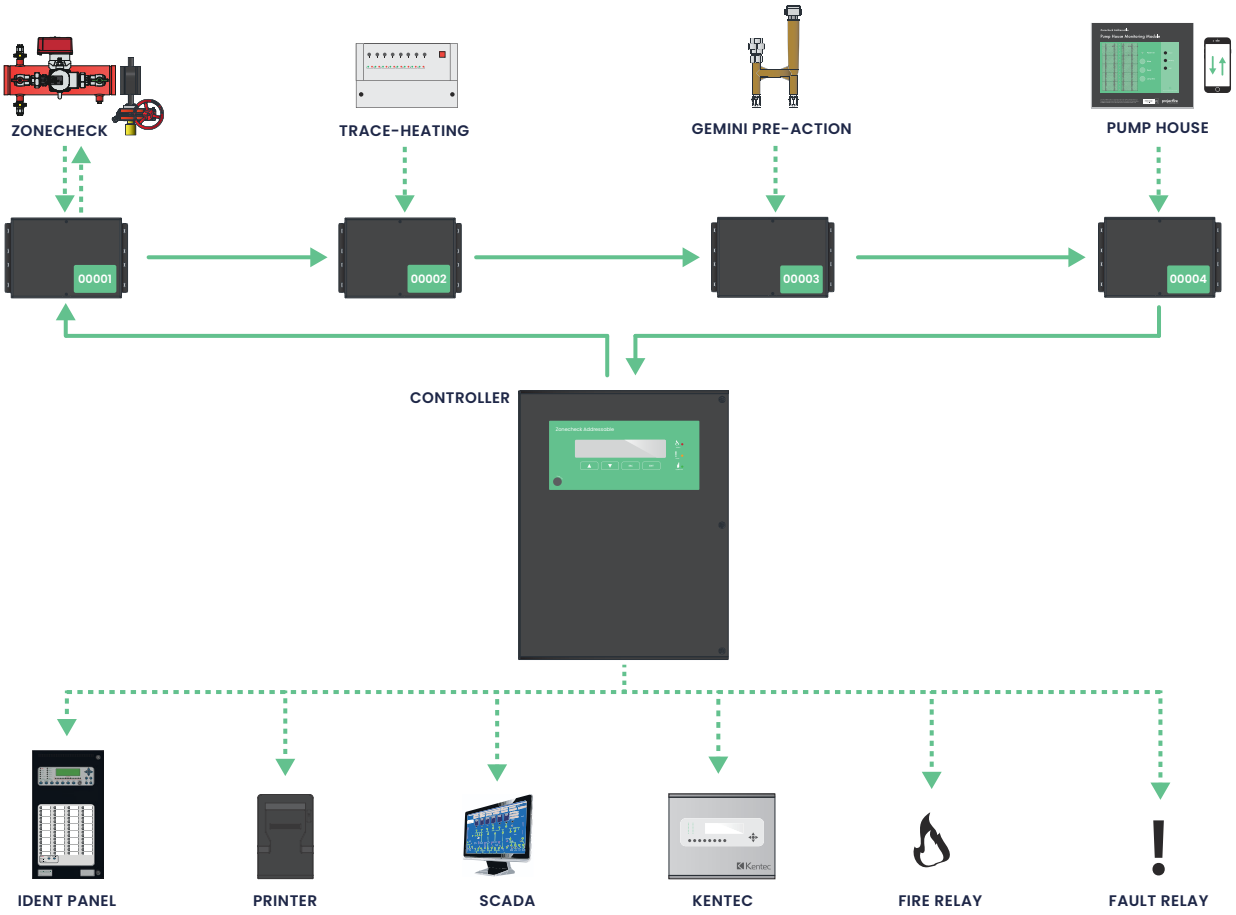
UP/DOWN
Scroll menus, view events and cycle through digits.

ESCAPE
Cancel/ Return

ENTER
Confirm

LED INDICATORS
Fire, Fault and System OK

Example Schematic



Compatibility

COMPATIBLE COMPONENTS
Zonecheck
Zonecheck Retrofit
Zonecheck Live
Zonecheck Residential
Gemini Pre-action Sprinkler Heads
Trace Heating Control Units
Monitored Valves
Water Level Alarms
Other Pump-house Equipment
Most other equipment with volt free outputs

COMPATIBLE OUTPUTS
Kentec IDENT panel (Via RS485 link)
Zonecheck Addressable Printer (Via RS232)
Fire Alarm panels (Via fire and fault relay)
Most other panels and monitoring systems which accept fire and fault relays

Designed and manufactured in the UK by Project Fire Products Ltd.

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