

**Odyssey Zone Monitor with Isolator** 200-203

The Odyssey Zone Monitor with Isolator powers and controls the operation of a zone of up to 20 Odyssey from Eurotech and Series 65 from Apollo Fire Detectors from the Odyssey and Apollo loop and is for indoor use only.

**FEATURES**

The Odyssey Zone Monitor with Isolator returns a preset analogue value when all detectors on the zone are in a quiescent state. A different value is returned when a detector changes to the alarm state. The Zone Monitor with Isolator latches in the alarm state.

The Zone Monitor with Isolator is fitted with a bi-directional short circuit isolator and will be unaffected by loop short-circuits on either the loop input or loop output.

Two LEDs; one red and one yellow, are visible through the front cover of the enclosure. The red LED is illuminated to indicate that a fire alarm condition has been detected on the zone wiring. The yellow LED is illuminated whenever the built-in zone isolator has sensed a short-circuit loop fault.

**Compliance:****EMC Directive 2014/30/EU**

The Odyssey Zone Monitor with Isolator complies with the essential requirements of the EMC Directive 2014/30/EU provided that it is used as described in this datasheet.

A copy of the Declaration of Conformity is available upon request.

Conformity of the Odyssey Zone Monitor with Isolator with the EMC Directive does not confer compliance with the directive on any apparatus or systems connected to it.

**Construction Products Regulation 305/2011/EU**

The Odyssey Zone Monitor with Isolator complies with the essential requirements of the Construction Products Regulation 305/2011/EU.

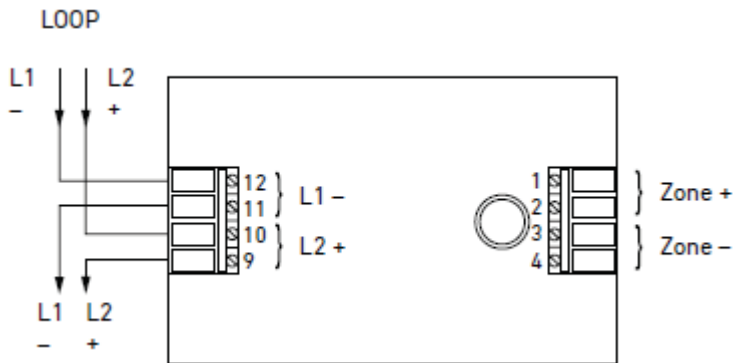
A copy of the Declaration of Performance is available upon request.

## TECHNICAL SPECIFICATION

All data is supplied subject to change without notice. Specifications are typical at 24 V, +25°C and 50% RH unless otherwise stated.

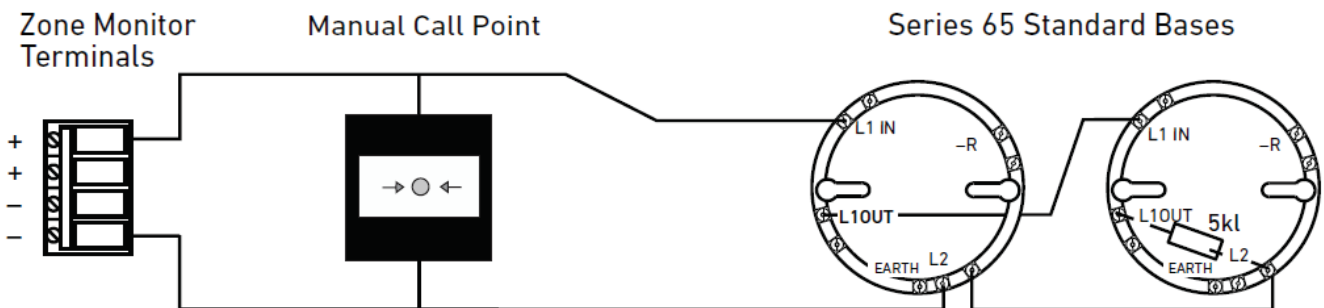
<b>Supply Voltage</b>	<i>17 V-28 V dc with protocol pulses of 5 - 9 V dc.</i>
<b>Zone voltage (Loop voltage 22 V)</b>	<i>19 V ± 1 V</i>
<b>(Loop voltage &lt; 22 V)</b>	<i>Loop voltage - 1.5 V</i>
<b>Maximum current consumption at 24V (5.1 kΩ EOL):</b>	
<b>Switch-on surge, 150 ms max</b>	<i>3.5 mA</i>
<b>Quiescent</b>	<i>4 mA plus detector load</i>
<b>Alarm</b>	<i>11 mA (19 mA when increased current enabled)</i>
<b>Short circuit</b>	<i>11 mA</i>
<b>End-of-line resistor value</b>	<i>5.1 k ± 5% 1/3 W</i>
<b>Stabilisation time on power-up</b>	<i>4 seconds</i>
<b>Maximum capacitor on zone terminals</b>	<i>50 µF</i>
<b>Operating temperature</b>	<i>-20 °C to +70 °C</i>
<b>Humidity (no condensation)</b>	<i>0% to 95% RH</i>
<b>Standards and Approvals</b>	<i>CPR, LPCB, VdS, VNIIP0, FG, CCCf and CCMG</i>
<b>IP Rating</b>	<i>IP54</i>
<b>Dimensions</b>	<i>150 mm wide x 90 mm height x 48 mm deep</i>
<b>Weight</b>	<i>230 g</i>
<b>Materials</b>	<i>White flame retardant polycarbonate</i>

## LOOP CONNECTIONS



## ZONE CONNECTIONS

Standard Bases with 5.1 Ohms monitoring resistor at end of line:



**Note:**

If a 5kΩ is used for monitoring all MCPs must be connected between the zone monitor unit and the first detector

Diode Bases with EOL device:

