


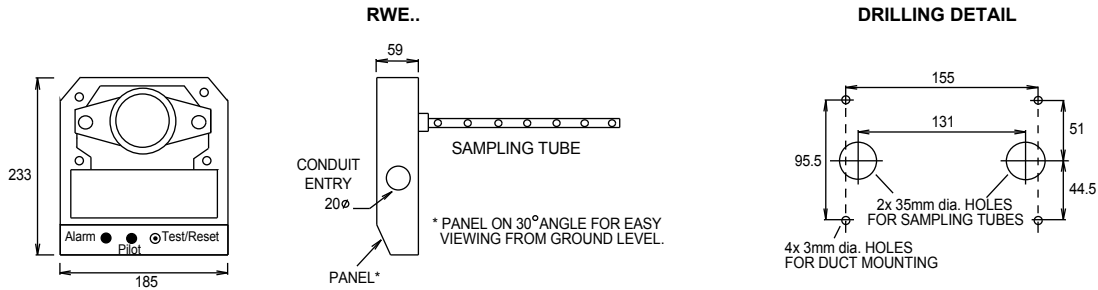
RWE..

<p>■ Detects smoke / combustion products in air moving through HVAC ducts. <b>Ionisation Model</b> - detects small smoke particles 0.1-1 micron and combustion gases as in fast burning fires. <b>Photoelectric Model</b> - best suited to detect large smoke particles 1-10 micron e.g. PVC insulation, fabrics &amp; furnishings.</p>		<p>Humidity 10% to 85% RH Ambient temp 0-49°C Volt Free Contacts Power Consumption:- Standby: 230VAC 7mA 24VAC 22mA 24VDC 13mA Alarm: 230VAC 13mA 24VAC 85mA 24VDC 54mA Remote test &amp; reset facility Alarm indication light Plastic ABS cover Enclosure Flammability = UL94-V0</p> <p style="text-align: right;">Steel Backbox Terminals 0.5-2.5mm<sup>2</sup></p>
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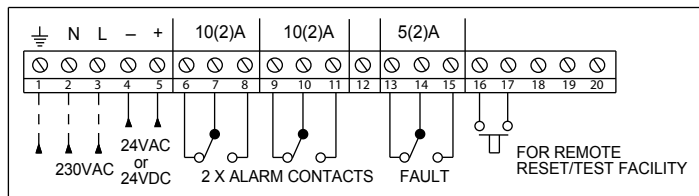
Type	Detector Head	Supply ± 10%	Fault Contact SPDT	230VAC	2 x Alarm Contacts 230VAC	Air Velocity min m/s max	Enclosure	
<b>RWE-N</b>	Ionisation	230 VAC or 24VAC/DC	5(2)A 230VAC	10(2)A SPDT	10(2)A SPDT	1.5 20	IP43	
<b>RWE-P</b>	Photoelectric	230 VAC or 24VAC/DC	5(2)A 230VAC	10(2)A SPDT	10(2)A SPDT	1.5 20	IP43	
INCLUDES 150MM SAMPLING TUBE								
<b>ST750</b>	750mm	Sampling Tube						
<b>ST1500</b>	1500mm	Sampling Tube						
<b>ST3000</b>	3000mm	Sampling Tube						

ORDER SAMPLING TUBE ACCORDING TO DUCT WIDTH & CUT TO SUIT

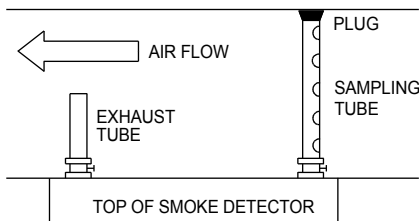
DIMENSIONS:



WIRING:



INSTALLATION:



Fit the sampling tube across the entire width of the duct. The tube can be cut to the required length. Minimum duct width 200mm. FIT THE PLUG PROVIDED TO THE END OF THE SAMPLING TUBE. The holes in the sampling tube should face towards the air flow. ΔP between input & exhaust tubes should be between 0.024 to 3.0 mbar. An exhaust tube is provided – this must not be blocked. The tubes & air flow direction can be reversed.

To prevent false alarms, avoid mounting in areas of extreme high/low temperature, in areas of high humidity or a dusty environment. The unit should be mounted in a straight duct away from bends or other deflections or turbulent areas.

OPERATION:

<p><b>Normal / Power On</b> <b>Smoke / Power On</b> <b>Detector Out/ Power Off</b> <b>Testing</b> <b>Resetting</b></p>	<p>Pilot light on. Fault contacts 14 - 15 close. Alarm light off. Alarm contacts 7-8 &amp; 10-11 open. Pilot light on. Fault contacts 14 - 15 close. Alarm light on. Alarm contacts 7-8 &amp; 10-11 close. Pilot light off. Fault contacts 14 - 13 close. Alarm light off. Alarm contacts 7-8 &amp; 10-11 open. By keeping the reset/test button depressed a smoke condition is simulated. Allow approximately 5 minutes for the smoke to clear from the detector head and then press and release the reset/test button. The unit returns to a normal condition.</p>
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**MAINTENANCE:** Periodically clean the tubes & detector head by vacuuming or blowing with compressed air. Do not use chemicals.