

# AutroSense 75

Aspirating Detector



Operator's Handbook



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# Table of Contents

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<b>1. Introduction.....</b>	<b>2</b>
1.1 About this manual.....	2
1.2 The reader .....	2
1.3 Other reference documents.....	2
<b>2. Panel indicators.....</b>	<b>3</b>
2.1 Overview.....	3
<b>3. In the event of a fire - Alarm 1 / Alarm 2.....</b>	<b>4</b>
<b>4. Filter missing .....</b>	<b>5</b>
<b>5. Air-flow fault .....</b>	<b>6</b>
<b>6. Power .....</b>	<b>7</b>
<b>7. Reader's Comments.....</b>	<b>9</b>

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# 1. Introduction

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## 1.1 About this manual

This manual provides information for operating the *AutroSense 75* aspirating detector

## 1.2 The reader

The manual is designed for use by those designated responsible for operating the system.

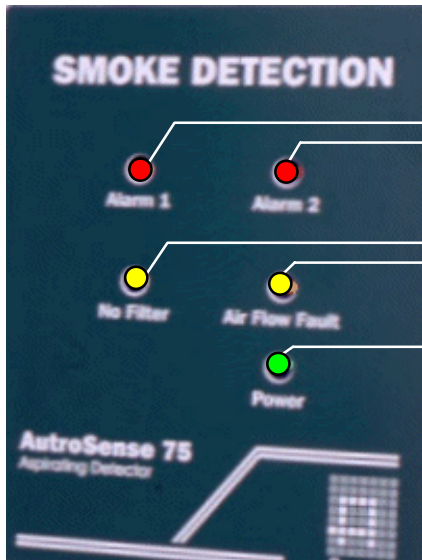
## 1.3 Other reference documents

For further information about the *AutroSense 75* aspirating detector, refer to the following:

Manual	Article no.
Installation and Commissioning Manual	P-ASENSE75/IE
Data Sheet for the <i>AutroSense 75</i> aspirating detector	P-AS75/CE

## 2. Panel indicators

### 2.1 Overview



● Alarm 1/Alarm 2 - detector in alarm.  
A constant red light for the *Alarm 1* and/or *Alarm 2* LED indicators means that a fire has been detected in the respective area.

● Filter missing  
Constant yellow light (*Filter missing* LED) means that the filter has been removed from the unit.

● Air-flow fault  
If the air flow falls outside the expected parameters the yellow *Air-flow fault* indicator will come on.

● Power  
Constant green LED light means that power is being supplied to the unit.


### 3. In the event of a fire - Alarm 1 / Alarm 2

When AutoSense 75 is connected to an analogue addressable fire alarm system, each pipe will be allocated an individual address, and the area (zone) monitored by the exhaust pipe will be identified at the control panel when an alarm is reported.

In a conventional system, both detector chambers will be connected to the same detector loop so that both pipes will monitor the same detection zone. It is also possible to use two different detector loops with the detector chambers to obtain information about which pipe is in alarm.

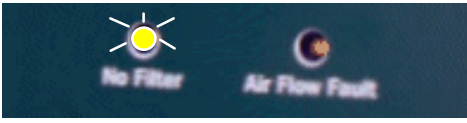
*In both analogue addressable and conventional systems, the alarm indicators for the detector will show which of these two areas is in alarm.*

A constant red light (e.g. the *Alarm 1* LED indicator) means that a fire has been detected in the respective area.

Step	Necessary Action	Front panel indicator/ important information
1	Check the area in alarm. Alarm 1 and/or Alarm 2 (the example shows Alarm 1 in alarm).	
2	If a fire is located, implement all necessary action in accordance with given instructions.	
3	If no fire is located, cancel all sounders connected to the control panel.	
4	Check all electrical boxes or other possible fire sources in the monitored area (detection zone).	<i>Note that in many instances a fire is detected before smoke becomes visible.</i>
5	When the situation is under control reset the fire alarm control panel.	

## 4. Filter missing

The yellow LED indicator marked *Filter missing* will come on if the filter has been removed from the unit.


Step	Necessary Action	Front panel indicator/ important information
1	Replace the filter.	 The image shows a dark blue front panel with two indicators. On the left, a yellow sun-like icon with rays is positioned above the text 'No Filter'. On the right, a red circular icon with a white center is positioned above the text 'Air Flow Fault'.

## 5. Air-flow fault

To ensure a correct and even air flow the AutoSense 75 aspirating detector will sense for:

- a blockage in the pipe
- leak/break in the pipe
- a blocked filter
- increases or decreases in the air flow
- the fan stopping

If the air flow falls outside the expected parameters the yellow *Air-flow fault* indicator will come on.


Step	Necessary Action	Front panel indicator/ important information
1	Check whether: <ul style="list-style-type: none"> <li>• there is a blockage in the pipe</li> <li>• there is a leak/break in the pipe</li> <li>• the filter is blocked</li> <li>• the fan has stopped</li> </ul>	 <p>The image shows a dark blue panel with two indicators. On the left, there is a circular icon with a red center and the text 'No Filter' below it. On the right, there is a yellow sun-like icon with radiating lines and the text 'Air Flow Fault' below it.</p>



## 6. Power

AutroSense 75 is normally supplied with 24 V DC from the fire alarm control panel or from some other local power source.

During normal operation, the green LED indicator marked *Power* will be permanently on. This indicates that the power supply is normal. If the light is off, then no power is being supplied to the unit.

Step	Necessary Action	Front panel indicator/ important information
1	If the green LED indicator is not on, then no power is being supplied to the unit. <ul style="list-style-type: none"> <li>• Check the power supply to the unit.</li> </ul>	



## 7. Reader's Comments

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Please help us to improve the quality of our documentation by returning your comments on this manual:

Title: *Operators Handbook, AutoSense 75 Aspirating Detector*

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Your information on any inaccuracies or omissions (with page reference):

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Suggestions for improvements

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