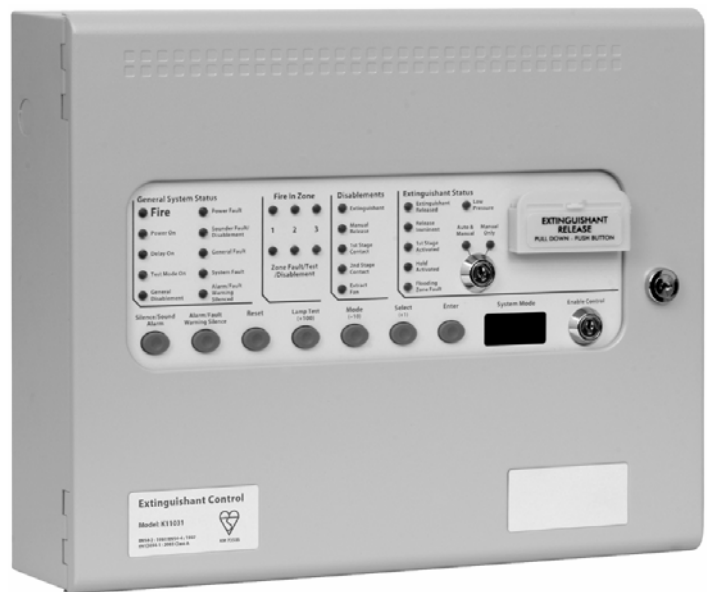


Issue 02 Dec 2007

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# Sigma XT Extinguishant Control Panel

## User Manual



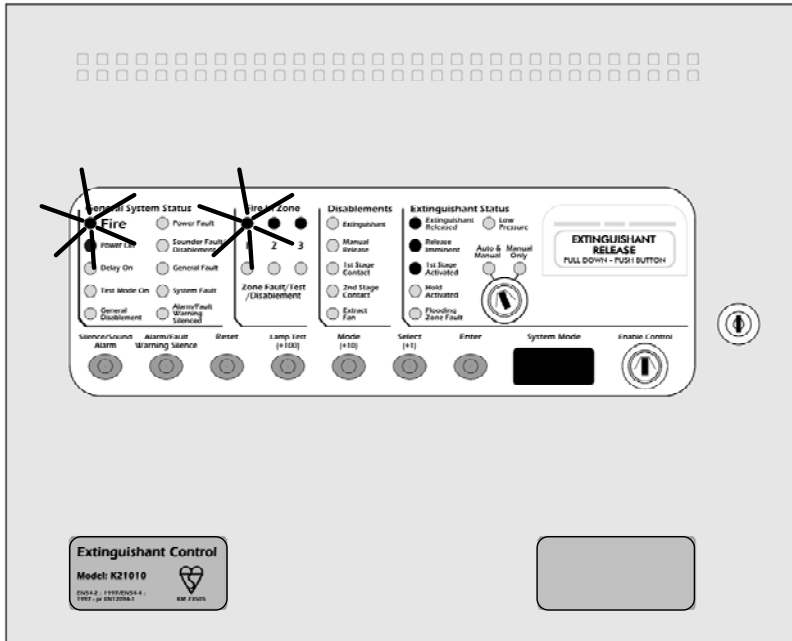
**MODEL NUMBERS**  
K11031M2, K11031F2

DOCUMENT REFERENCE K7247-03 (Man-1091)

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## Fire alarm condition

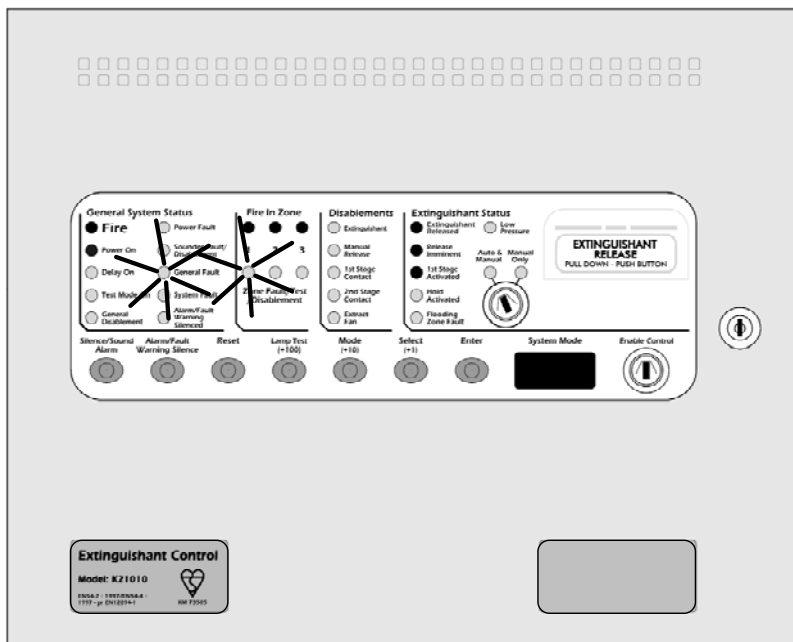
General fire indicator lights and zonal fire indicators flash. Buzzer sounds urgently.



Carry out fire procedure.

## Fault condition

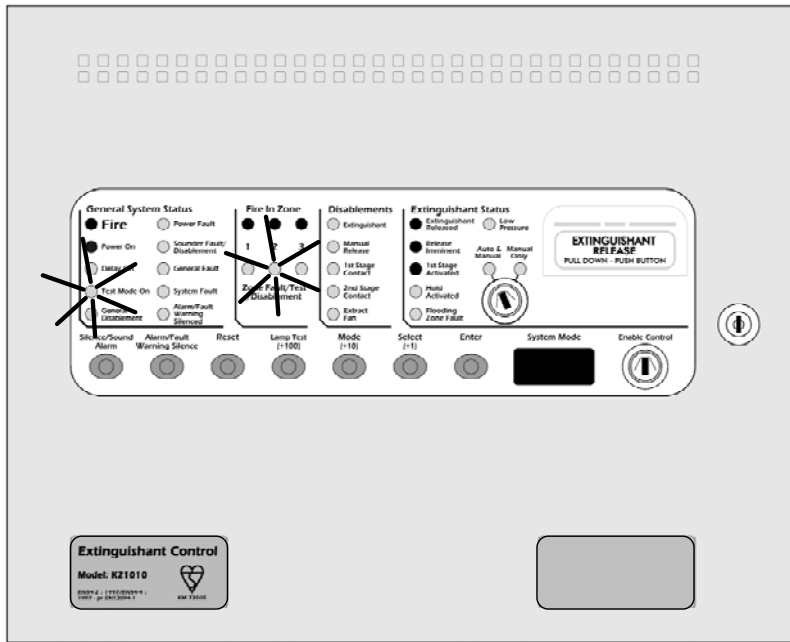
General fault indicator lights and specific fault indicators flash. Buzzer sounds continuously.



Call maintenance engineer.

## Disabled condition

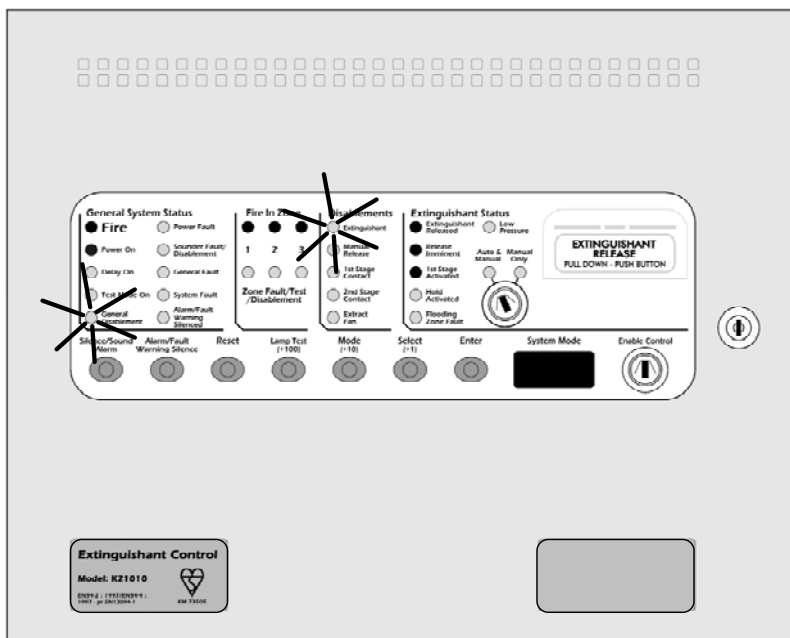
General disablement indicator and specific fault indicator lit continuously.



Maintain vigilance during disablement conditions.

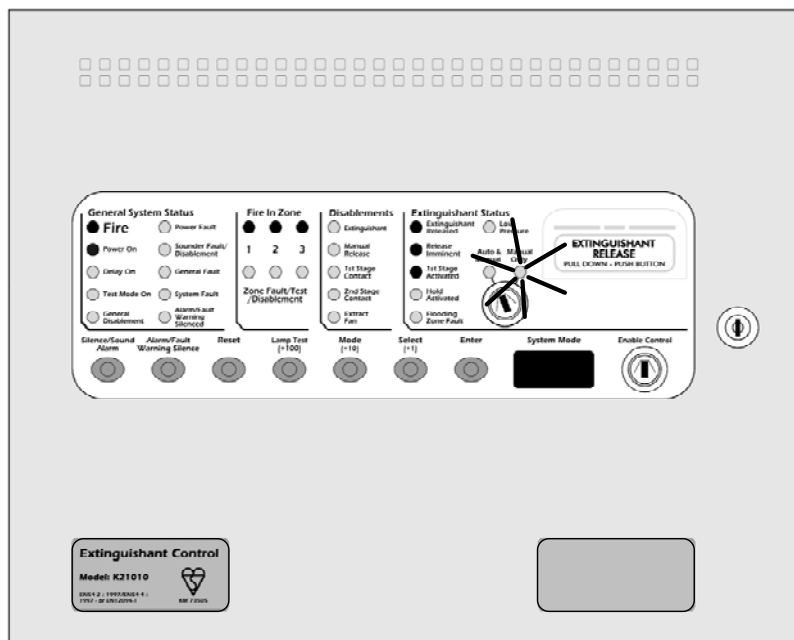
## Test condition

Test indicator and specific fault indicator lit continuously.



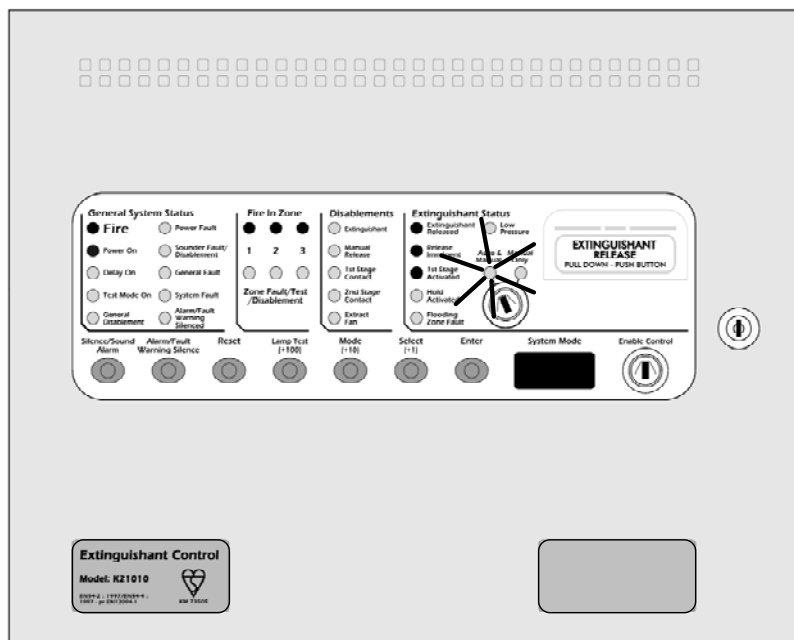
Ensure system is returned to normal when testing is finished.

**Manual only mode**  
Manual only indicator lit



Extinguishant will not be released by automatic detection.

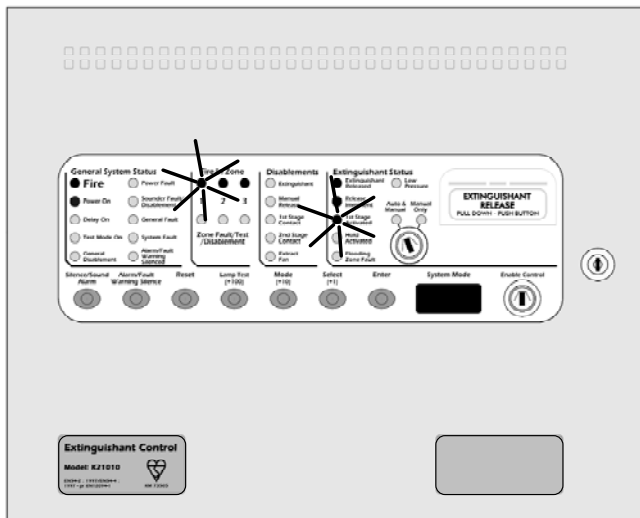
**Automatic and Manual mode**  
Automatic and Manual indicator lit



Extinguishant will be released by automatic detection.

## 1<sup>st</sup> Stage activated

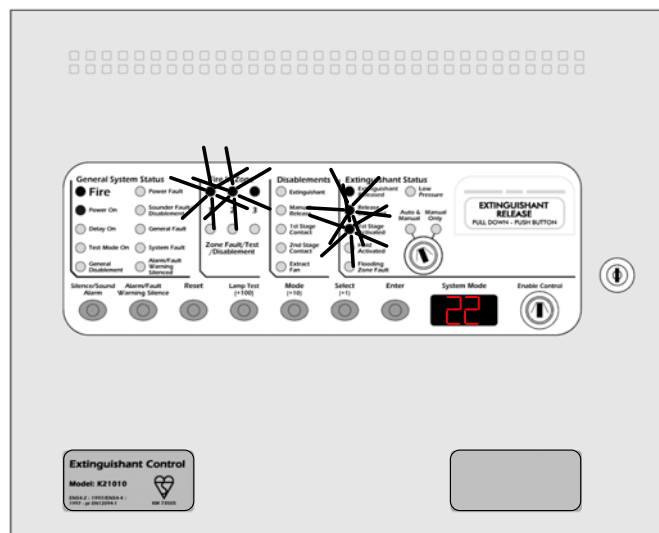
Normally accompanied by a zonal fire indicator. If no zonal fire indicator and Release imminent indicator is lit then a manual release button has been activated.



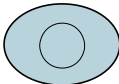

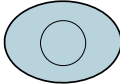
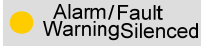

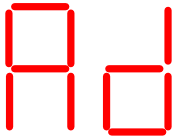
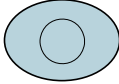

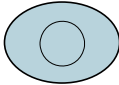

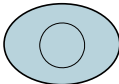
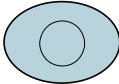
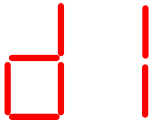
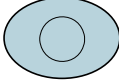

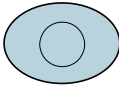
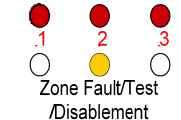
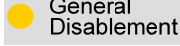

1<sup>st</sup> stage of automatic release of extinguishant has started.

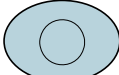
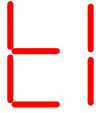
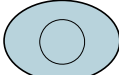

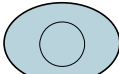


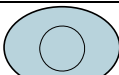
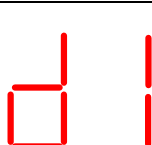
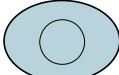

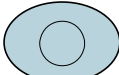


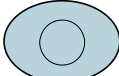

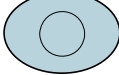
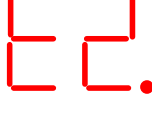
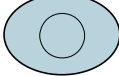


## Release Imminent

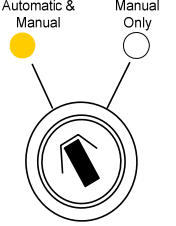
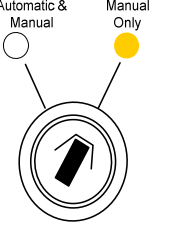
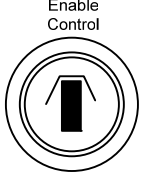
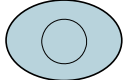
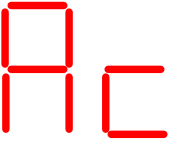
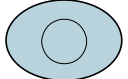
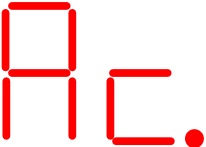

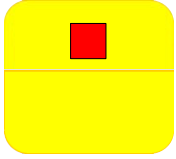
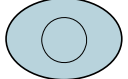

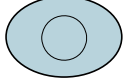
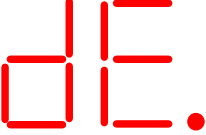
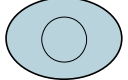
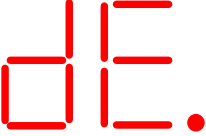
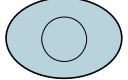
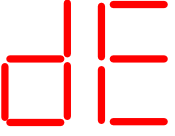
Always accompanied by 1<sup>st</sup> stage activated indicator. Normally accompanied by more than one zonal fire indicator. Countdown timer to extinguishant release has started. Time remaining before release indicated in seconds on seven segment display. If no zone fire LEDs lit then release is by manual unit.



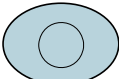
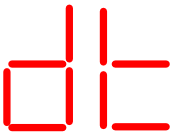
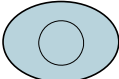
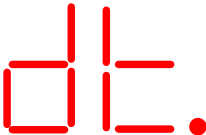
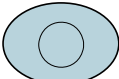
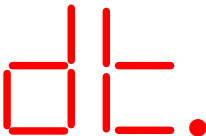
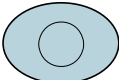
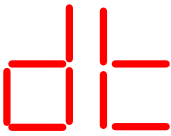
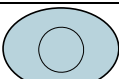
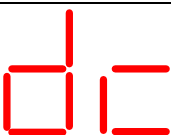
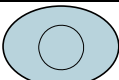

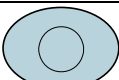
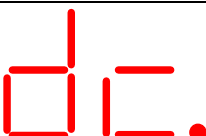
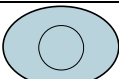
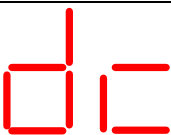

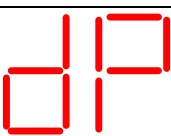
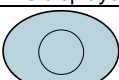
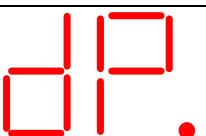
Extinguishant will be released when timer reaches zero, display will show EEE during extinguishant release.

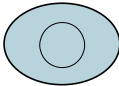
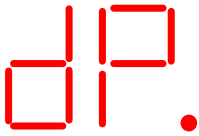
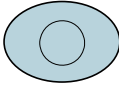

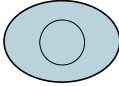
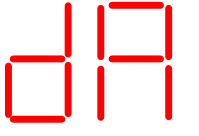
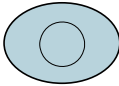
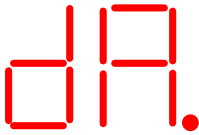
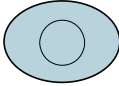
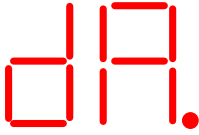
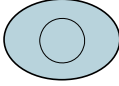

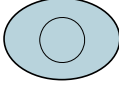
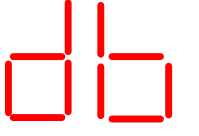
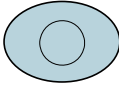
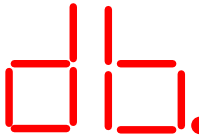
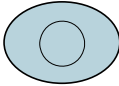
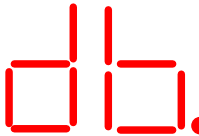
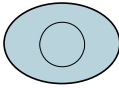
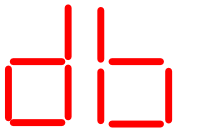
How To	Do This	Display	Comments
Test lamps	 <p>Lamp Test</p> <p>Press button</p>	 <p>All lamps on</p>	Buzzer sounds whilst button is pressed
Silence buzzer	 <p>Alarm/Fault Warning Silence</p> <p>Press button</p>		
Enable buttons	<p>Enable Control</p>  <p>Insert key and turn</p>		Buzzer beeps twice every seven seconds
Silence alarms	 <p>Silence/Sound Alarm</p> <p>Press button</p>		
Sound alarms	 <p>Silence/Sound Alarm</p> <p>Press button</p>		Buzzer beeps urgently
Reset	 <p>Reset</p> <p>Press button</p>	All fault indicators flash for 3 seconds	Resets fire detection system. Extinguishant system will reset only after the extinguishant has been released
Disable a zone step 1	 <p>Mode</p> <p>Press button till d1 displayed</p>	 <p>First display</p>	
Disable a zone step 2	 <p>Select</p> <p>Press button to scroll zones</p>	 <p>Zone 2</p>	
Disable a zone step 3	 <p>Enter</p> <p>Press button</p>	<p><b>Fire In Zone</b></p>  <p>Zone 2 fault LED lit</p>	  <p>Dot flashes when disabled</p>

How To	Do This	Display	Comments
Put a zone into test mode step 1	 Mode Press button till t1 displayed	 First display	
Put a zone into test mode step 2	 Select Press button to scroll zones	 Zone 2	
Put a zone into test mode step 3	 Enter Press button	<b>Fire In Zone</b>  Zone Fault/Test /Disablement Zone 2 fault LED lit	 Test Mode On Dot flashes when disabled
Enable a zone step 1	 Mode Press button till d1 displayed	 First display	
Enable a zone step 2	 Select Press button to scroll zones	 Zone 2	Disabled zones will have flashing dot.
Enable a zone step 3	 Enter Press button	<b>Fire In Zone</b>  Zone Fault/Test /Disablement Zone fault LED off	 Dot stops flashing when enabled
Exit test mode step 1	 Mode Press button	 First display	
Exit test mode step 2	 Select Press to scroll zones	 Zone 2	Zones in test mode will have flashing dot
Exit test mode step 3	 Enter Press button	<b>Fire In Zone</b>  Zone Fault/Test /Disablement Zone 1 fault LED off	 Dot stops flashing when test mode exited

How To	Do This	Display	Comments
<p><b>Change from Manual only to Automatic and Manual and vice versa</b></p>	 <p>Automatic &amp; Manual      Manual Only</p> <p>Insert key and turn</p>	 <p>Automatic &amp; Manual      Manual Only</p>	
<p><b>Start Extract fan</b></p>	 <p>Enable Control</p> <p>Insert key and turn</p>		
<p><b>Press Mode button till Ac appears in display</b></p>	 <p>Enter Press button</p>		
<p><b>Press Enter button again to turn extract fan on</b></p> <p><b>Press Enter button again to turn extract fan off</b></p>	 <p>Enter Press button</p>		<p>Dot flashes to indicate extract active.</p> <p>Dot stops flashing to indicate extractive inactive</p>
<p><b>Manually release the extinguishant</b></p> <p><b>CAUTION</b></p>	 <p>Pull down flap and press button to release extinguishant</p>		<p>Extinguishant will release after time displayed in seconds on the countdown timer</p>
<p><b>Disable extinguishant control step 1</b></p>	 <p>Mode Press mode button till dE is displayed</p>		
<p><b>Disable extinguishant control step 2</b></p>	 <p>Enter Press button</p>		<p>Dot flashes to indicate extinguishant control is disabled</p>
<p><b>Enable extinguishant control step 1</b></p>	 <p>Mode Press mode button till dE is displayed</p>		<p>Flashing dot indicates extinguishant control disabled</p>
<p><b>Enable extinguishant control step 2</b></p>	 <p>Enter Press button</p>		<p>Dot stops flashing to indicate extinguishant control enabled</p>



How To	Do This	Display	Comments
Disable manual release step 1	 <p>Mode</p> <p>Press mode button till dt is displayed</p>		
Disable manual release step 1	 <p>Enter</p> <p>Press button</p>		Dot flashes to indicate Manual release is disabled
Enable Manual release step 1	 <p>Mode</p> <p>Press mode button till dt is displayed</p>		Flashing dot indicates Manual release disabled
Enable Manual release step 2	 <p>Enter</p> <p>Press button</p>		Dot stops flashing to indicate Manual release enabled
Disable extract fan step 1	 <p>Mode</p> <p>Press mode button till dc is displayed</p>		
Disable extract fan step 2	 <p>Enter</p> <p>Press button</p>		Dot flashes to indicate Extract fan is disabled
Enable extract fan step 1	 <p>Mode</p> <p>Press mode button till dc is displayed</p>		Flashing dot indicates extract fan disabled
Enable extract fan step 2	 <p>Enter</p> <p>Press button</p>		Dot stops flashing to indicate Extract fan enabled
Disable first stage relay output step 1	 <p>Mode</p> <p>Press mode button till dP is displayed</p>		
Disable first stage relay output step 2	 <p>Enter</p> <p>Press button</p>		Dot flashes to indicate first stage relay output is disabled

How To	Do This	Display	Comments
Enable first stage relay output step 1	 Mode Press mode button till dP is displayed		Flashing dot indicates first stage relay output disabled
Enable first stage relay output step 2	 Enter Press button		Dot stops flashing to indicate first stage relay output enabled
Disable second stage relay output step 1	 Mode Press mode button till dA is displayed		
Disable second stage relay output step 2	 Enter Press button		Dot flashes to indicate second stage relay output is disabled
Enable second stage relay output step 1	 Mode Press mode button till dP is displayed		Flashing dot indicates second stage relay output disabled
Enable second stage relay output step 2	 Enter Press button		Dot stops flashing to indicate second stage relay output enabled
Disable first stage sounders step 1	 Mode Press mode button till db is displayed		
Disable first stage sounders step 1	 Enter Press button		Dot flashes to indicate first stage sounders are disabled
Enable first stage sounders step 1	 Mode Press mode button till db is displayed		Flashing dot indicates first stage sounders disabled
Enable first stage sounders step 2	 Enter Press button		Dot stops flashing to indicate first stage sounders enabled