

**CaterSense** *the Intelligent answer*



## ***CaterSense - 01***

***GAS SUPPLY CONTROL with  
REMOTE FAN MONITORING***

***OPERATORS MANUAL***

## Product Overview

The CaterSense system is based on a range of products and ancillary equipment designed to meet the ever changing requirements of the catering industry and associated regulations.

The system comes in four basic modes, you have selected

**CaterSense -01** intelligent controller *with remote CT monitoring*

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### 1.01 How does my CaterSense unit work?

Your CaterSense unit is designed to ensure that your kitchen ventilation system is operational and maintaining the design system air flow rates for your kitchen, before your gas supply is enabled to your cooking appliances.

The CaterSense is operated via an easy wipe clean touch pad and LED indicator arrangement as indicated in 1.07.

### 1.02 How do I start my CaterSense?

First start your kitchen canopy ventilation system.

Press the START pad on the CaterSense unit. The CaterSense will now carry out a number of system checks and if all checks are clear the gas valve output will switch on after approximately 1 minute and open the gas valve and supply to your cooking appliances.

If during the start up sequence the CaterSense goes into an alarm mode, please refer to section 1.05 below.

### 1.03 How do I stop my CaterSense?

Press the STOP pad on the CaterSense unit. The gas valve output will switch off and the gas valve will close, isolating the gas supply to your appliances.

**NOTE:** Always ensure that all appliances have been switched off and taps closed.

### 1.04 What do I do if my CaterSense does not operate?

If when you press the START pad your CaterSense does not operate,

- 1 Ensure that your kitchen canopy ventilation system is operational.
- 2 Ensure you have power to the unit; is the power on LED lit?
- 3 If not, have your supply to the unit checked by an electrician.
- 4 If power is on to the unit, refer to section ... of this manual for further instructions.

### 1.05 What do I do if my CaterSense goes into an alarm?

If when you press the START pad or during its operation, the CaterSense goes into an alarm mode and the audible alarm buzzer sounds.

- 1 Press the ALARM MUTE pad and the audible alarm will stop. (Note: 1.1)
- 2 Identify the LEDs which are flashing and refer to section 1.08 of this manual for further instructions.

### 1.06 Do I have any form of override?

Following the latest instructions from CORGI **NO** form of operator override can be provided.

### 1.07 CaterSense facia details



**Notes:** 1.1 *Alarm Mute, if the cause of the alarm is not cleared or the alarm has not been responded to, the audible alarm will re-sound.*

## 1.08 Fault finding and Alarm codes

In the event that your CaterSense has not operated or has gone into an alarm mode, the following has been designed to help you identify your problem and offer a course of action for you to take.

**Fault finding** Only to be carried out by a qualified engineer

<b>Fault</b>	<b>Possible cause</b>	<b>Action</b>
No Power On LED	a. No power to the unit	Check power supply to unit, mains cables and terminals Remove cover and check if "blown". If yes, check for any signs of a wiring fault and rectify before replacing with a new fuse. As b. above Call for further assistance
	b. Primary transformer fuse "blown"	
	c. Secondary transformer fuse "blown"	
	d. None of the above	
Gas valve output LED is red and gas valve is closed	a. The unit is in an alarm mode	Check for any flashing LEDs and look-up in alarm codes below.  Press STOP pad and press START pad again Call for further assistance
	b. Start pad has not been pressed	
	c. None of the above	
Gas valve output LED is green and gas valve is closed	a. No power to gas valve	Check terminals 29/30 to see if 240Vac is present and check cables to gas valve. Check if 240Vac is present at gas valve terminals. If yes replace gas valve.
	b. Gas valve not operational	
Gas valve open but no gas at appliance	a. Gas supply has been isolated or is blocked	Check gas supply
	b. No gas pressure	Check gas supply

**Alarm Modes – User actions only**

Flashing LED	Cause of alarm	Action
Min Air Flow	Filter / ducting / fan getting clogged	Check and clean
Fan 1	Low reading on Fan 1 power sensor	<ul style="list-style-type: none"> <li>a. Check that fan is running</li> <li>b. Check filters and ductwork are clean</li> <li>c. Press STOP pad and press START pad. If system goes into same alarm, call an engineer.</li> </ul>
Fan 2	Low reading on Fan 2 power sensor	<ul style="list-style-type: none"> <li>a. Check that fan is running</li> <li>b. Check filters and ductwork are clean</li> <li>c. Press STOP pad and press START pad. If system goes into same alarm, call an engineer.</li> </ul>
Fire Alarm	Fire Alarm input has been activated	Check and re-set alarm
Remote Knock-off	Remote knock-off has been activated	Check and re-set knock-off

**Alarm Modes – Action by Engineer only**

*All of the following actions must only be carried out by a qualified engineer*

Flashing LED	Cause of alarm	Action
Fan 1	Low reading on Fan 1 power sensor	a,b,c See table above
Fan 2	Low reading on Fan 2 power sensor	a,b,c See table above
System Condition	CaterSense has monitored a fault	<ul style="list-style-type: none"> <li>a. Check for wiring faults</li> <li>b. Carry-out a re-start</li> <li>c. Carry-out a system reset</li> </ul>

**Notes:**

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FOR FURTHER TECHNICAL ASSISTANCE, PLEASE CONTACT US BY

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E-mail: [info@trentcontrols.com](mailto:info@trentcontrols.com)

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- Note:
- i) Ensure that the electrical installation has been installed in accordance with the current edition of the IEE regulations.
  - ii) Ensure that the gas installation has been installed in accordance with the current gas regulations (CORGI).
  - iii) If in doubt, ask! (contact us on or by any of the above).
  - iv) Ensure that the client has been shown how to operate the system and that they have been handed this users guide.



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