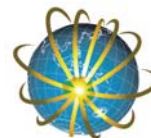


# The Firing Line



Brought to you by  
**System Control Engineering Pty Ltd**



A.C.N. 006 491 881

## Products Of The Month

The gas shut-off protection systems, *Gas Check* & *Gas Guard*, are constructed of high quality (approved) gas components. These components ensure safe, reliable protection of a gas pipe-work system that does not have an existing safety shut-off mechanism.

The purpose of the safety shutoff system is to automatically shutoff the gas supply to the premises, (or a selected part of the premises such as a commercial kitchen), when the fire extinguishing system or other emergency alarm is activated. The intent is to safeguard against the possibility of the escape of unburned gas where a burner flame has been extinguished. It also prevents the gas supply being restored when one or more appliances could still be turned on. If appliances or premises have been left unattended, a serious accident could result.

*Gas Check* & *Gas Guard* are your safety solutions.

### GAS CHECK



Widely used in Victoria & South  
Australia

### GAS GUARD



Widely used in New South Wales &  
Queensland

Applications for *Gas Check* & *Gas Guard* systems include

- Boiler Rooms
- Kitchens
- Laboratories
- Multi-Story Buildings
- School Rooms

### Requirements for Operation

- ◆ 240V / 110V / 24V AC or DC power
- ◆ Suitable for Natural / L.P.G gas at low and high pressures
- ◆ An emergency stop button or interlock with sprinkler system

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# Tecno Control

## Monitoring



Gas Pipelines

System Control's new range of industrial gas detection products offer you the opportunity to monitor gas across a broad range of applications.

With central control units capable of monitoring up to 200 separate zones, large scale gas detection (and control) applications are a breeze.

Examples of applications for our new range include the monitoring of: beer brewing, chemical labs, fuel storage, galvanic plants, *gas pipelines*, gas stores, gas filling stations, hangars (aircraft), *heating plants*, *industrial kitchens*, oil refining systems, *refrigeration plants*, rubbish dumps, undercover car parks, welding plants and wineries.

They are also useful for monitoring gases during the manufacture of: metals, papers, pharmaceuticals, plastics, sprays and textiles.

## Monitoring



Heating Plants

## Monitoring



Industrial Kitchens

## Monitoring



Refrigeration Plants

## Microprocessor Central Control Unit

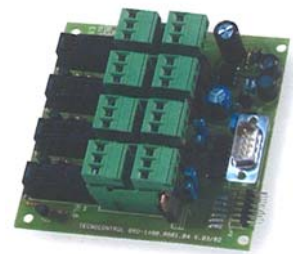
The TCCE400P, Microprocessor Central Control Unit, is a leading product in the field of industrial gas detection. It features the latest microprocessor design, and leading edge software. Capable of monitoring up to 4 remote sensors, 8 when combined with the TCES400 Expander Card, the TCCE400P is ideal for large scale industrial applications.

The TCCE400P features self-driving, intuitive programming, which poses simple questions for you to answer during configuration. Additionally, with a large LCD screen featuring a backlight, programming is a simple task.

### Features



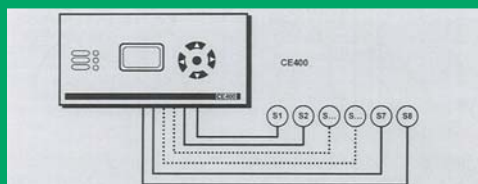
- 4 Sensor inputs (8 by TCES400)
- 5 Communication relays (9 by TCES400)
- 12Vcc auxiliary output (1 Amp max)
- Graphic backlight display
- Intuitive, *self-driving*, programming



TCCE400P

A Typical Control Application

TCES400



## Sensors & Alarms

Our new range of gas sensors & alarms are ideally suited for use with the Central Control Unit. Many feature high IP ratings for use in areas where high dust concentrations, or water spray, may be a concern.

Some of the sensors are also available with protective, Explosion-Proof, casings for extreme applications.

### TCSE192 - L.P.G. (TCSE192KG) or METHANE (TCSE192KM)



- L.P.G. or Methane gas detector
- IP44 Rating
- Catalyst sensor
- Connects to Central Control Unit
- Dimensions 110 x 75 x 70 mm
- Wall Mounted
- 12 VDC

### TCSE193 - L.P.G. (TCSE193KG) or METHANE (TCSE193KM)



- L.P.G. or Methane gas detector
- Explosion-Proof
- Suitable for applications where there is a high risk of flammability
- Ideal for installation into areas which contain high dust concentrations
- Suitable for Zone 1 & Zone 2 areas

### TCTS292 - L.P.G. (TCTS292KG) or METHANE (TCTS292KM)



- L.P.G. or Methane gas detector
- IP65 Rating
- Suitable for difficult industrial premises where dust concentrations are high
- Labyrinth housing aids dust resistance
- Simplified connections due to coupling terminals
- 4 - 20 mA output signal

### TCSE301 - AC (TCSE301A) or DC (TCSE301B)

Although Central Control Units feature an audible output they can greatly benefit from the increased volume supplied by this alarm.



- Audible and visible alarm
- IP43 Rating
- Piezoelectric siren - 115 db Output
- Red signalling lamp
- Dimensions 160 x 115 x 80 mm
- Wall mounted
- 230 VAC (TCSE301A) or 12 VDC (TCSE301B)

# New Products

## FLAT HANDLE BALL VALVES



We have just received stock of ITAP's new range of flat handle ball valves. In addition to ITAP's proven reliability, the new range adds the following quality features:

- ◆ Colour coding
- ◆ Corrosion resistance
- ◆ Easy gripping
- ◆ Rubber coating
- ◆ Stainless steel handles (for greater strength)

## AIR HEAT GAS BURNERS

Air Heat Gas burner as a Module or Complete Air Heat system are extremely versatile and ideal for heating fresh air in make-up and process air heating applications.

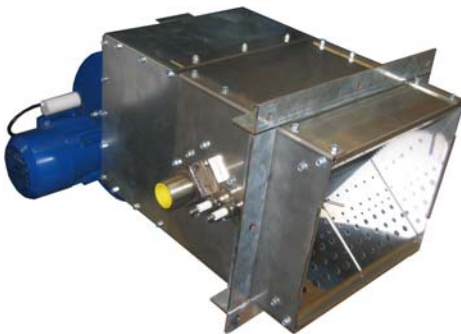
These Air Heat Burners can be used on many applications including: dryers, painting ovens and air heaters (in ceramic, brick, refractory, food, or printing industries).

Modules are available in two types:

- LD Low Output module about 72kW per 152mm
- HD High Output module about 145kW per 152mm

Standard burner is completely constructed in Nickel – Chrome alloys to withstand upstream temperature of up to 450°C.

### Burner Features



- Uniform, smokeless & stable combustion even at very high turndown capacities
- Lower Overall emissions
- ES & ESX series can be assembled from straight sections, tees and crosses to build almost any required configuration. They can also be built as an endless combination of staged and separately controlled sections to further increase turndown of the system.
- Direct spark ignition or pilot ignition can be offered
- Also available complete with combustion fan, gas train and controls ready to install on an appliance.

## This Months Special

### Giuliani Anello Gas Filter (GA0440)

- 1/2 - 6 Inch (15mm - 150mm)
- 2 Test Points
- Aluminium Construction (body & cover)



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§ Receive a 5% discount off your regular pricing arrangement for the month of May 2007 on mention of our newsletter

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