

# System Control Engineering NZ Ltd

For Gas, Combustion & Control Equipment

THE GAS BIZZ BULLETIN

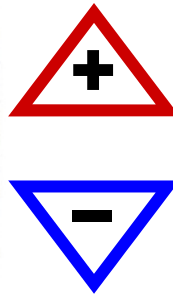
June 2008



274 Church Street  
Onehunga  
Auckland

## White-Rodgers - Blue 90

Touchscreen Thermostat - The New Colour Of Innovation



**Warmer**  
**Advanced. Simple**  
**Cooler**

Easily control the temperature of your environment with the new White Rodgers Blue 90 touchscreen thermostat. The Blue 90 is ideal for heating and cooling applications.

Part no: **W00172BLUE**

- ◆ Programmable thermostat
- ◆ Heat & Cool
- ◆ Touchscreen
- ◆ Screen backlight
- ◆ Audible prompting
- ◆ Screen lockout feature
- ◆ Accurate temperature maintenance to +/- 1°C of set point
- ◆ Programmable 7, 5/1/1, individual days or use as simple on/ off operation
- ◆ Dimensions 117 x 30.5 x 150mm

**Five Year  
Warranty**

### Gas Leak Detector Spray

Samtech Gas Leak Detector Spray is useful for finding gas leaks in air conditioners, boilers, cookers, refrigerators, stoves and many other gas appliances.



- Detects gas leaks in pipes that are under pressure
- Practical and economical
- Suitable for all gases (both flammable and nonflammable)
- Non—toxic
- Non—flammable
- 90 % Biodegradable
- Complies with strict environmental standards

**NEW  
PRODUCT**

Phone: 09-636-1401 Fax: 09-636-1525

Email: [sales@systemcontrol.co.nz](mailto:sales@systemcontrol.co.nz)

[www.systemcontrol.co.nz](http://www.systemcontrol.co.nz)

# Dave's Technical Tip



## Automatic Flame Safeguard Systems

An automatic flame safeguard control fitted to a gas appliance will safely control the ignition/start-up of that appliance and monitor the flame throughout its operation.


Activation of the control occurs when electrical power is applied via a switch or time clock or thermostat.

The automatic sequence that follows cannot be altered and starts with a purge period, to allow clearance of gases from the combustion chamber, followed by ignition spark and opening of the gas solenoid valve/s. This ignition period is restricted to a maximum safety time, typically 5 seconds, to minimise the release of gas/air mixture should ignition fail.

Proving of a stable gas flame by flame probe or ultra-violet sensor is achieved after the ignition spark has stopped so that there is no reliance on the spark to maintain the gas flame stability.

Failure during the sequence results in lock-out or shut-down requiring a manual reset to re-start.

Manual reset can be the push of a button or simply switch the power supply off and on with smaller domestic units.



### Smoke Pallets

Do you need some more Smoke Pallets?

- Tube of 6
- 30 second burn time
- 18 m<sup>3</sup> of Non Toxic White Smoke

**PLACE YOUR ORDER NOW!!!**



## This Month's Competition

**What was the name of the All Black that was known as THE BOOT?**



Send your answer, name and preference of wine along with your contact details by the 30 June 2008 to

Email: [competition@systemcontrol.co.nz](mailto:competition@systemcontrol.co.nz)

Fax: 09 636 1525

All correct answers will go in a draw to win a bottle of red or white wine.

Prize will be dispatched with next order placed with System Control Engineering NZ Ltd.

## Quote of the Month

“And in the end, it's not the years in your life that count. It's the life in your years”. - ABRAHAM LINCOLN

- BACHARACH**  
*Leak Detectors, Flue Gas Analysers*
- BRAHMA**  
*Pilot Burners, Burner Controls Ignition Transformers Gas Solenoid Valves*
- BROMIC**  
*Appliance Regulators*
- CAMPINI**  
*Thermostats*
- CATOBA**  
*Pilots, Controls, Gas Valves*
- DIGITRON**  
*Digital Manometers*
- DORMONT**  
*Flexible S.S. Connectors Quick Disconnect Couplings*
- DUNPHY**  
*Gas, Oil & Dual Fuel Burners*
- ECOFLAM**  
*Package Burners*
- GECA**  
*Gas Detectors, CO Detectors*
- FLAMEFAST**  
*Hot Metal & Heat Treatment Equipment*
- ITAP**  
*Gas Ball Valves*
- JEAVONS**  
*OPSO Regulators Appliance Regulators*
- KROMSCHRODER**  
*Gas Filters, Gas Meters, Pilot Burners Pressure Switches, Gas Solenoid Valves*
- NAMCO**  
*Combustion Equipment*
- OARA**  
*LP Gas Regulators*
- PH PRODUCTS**  
*Smoke Pallets*
- POLIDORO**  
*Blade Burners, Atmospheric Burners*
- REGO**  
*LP Gas Regulators*
- ROBERTSHAW**  
*Pilot Burners, Thermocouples Gas Control Valves*
- SATRONIC**  
*Burner Controls*
- SCE**  
*Test Points, Petes Plugs Test Nipples, U-Tube Manometers*
- SEITRON**  
*Gas Detectors*
- SHERWOOD**  
*Auto Changeover Regulators*
- SIT**  
*FFD's, Flame Rods, Gas Controls Ignition Electrodes*
- WHITE-RODGERS**  
*Gas Control Valves*