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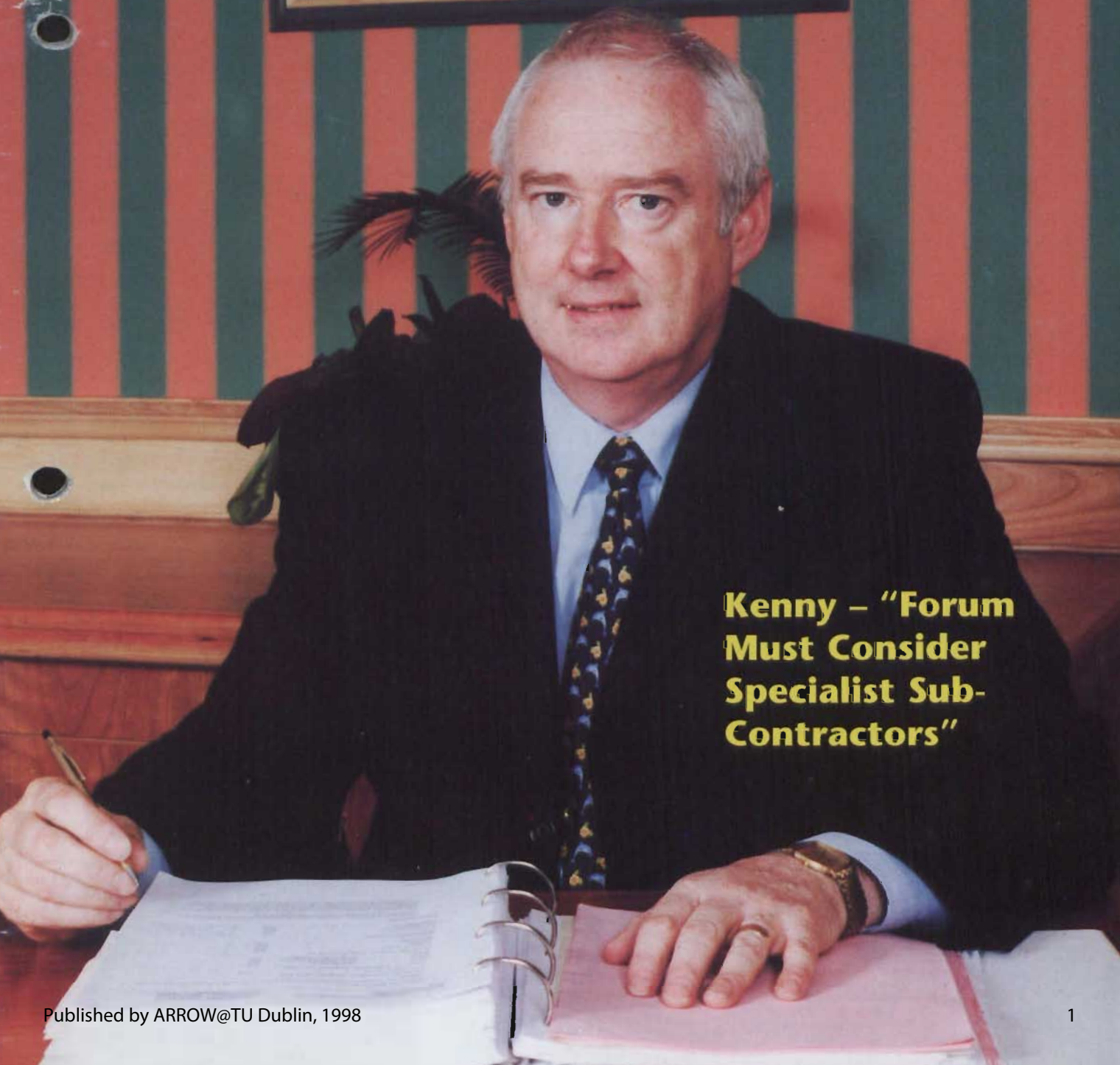
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BSN News

MECHANICAL & ELECTRICAL BUILDING SERVICES

et al.: BS News

JUNE 1998



**Kenny – "Forum
Must Consider
Specialist Sub-
Contractors"**

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BSNews*

MECHANICAL & ELECTRICAL
BUILDING SERVICES

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Readership Data

Irish Building Services News (formerly Irish H&V News) is Ireland's only Building Services magazine providing coverage of the heating, ventilating, air conditioning, refrigeration, sanitaryware, plumbing, maintenance and environmental industries. It is the only publication catering exclusively for these industries and its circulation includes members of the following:-

Chartered Institution of Building Services Engineers (CIBSE); The Mechanical Engineering & Building Services Contractors' Association (MEBSA); Irish Property & Facilities Managers Association (IPFMA); The Irish Home Builders Association (IHBA); Architectural Practices; The Mechanical Engineering Contractors' Association; The Institute of Domestic Heating Engineers (IDHE); The Maintenance, Energy & Environmental Technology Association (MEETA) which incorporates energy managers and maintenance managers; The Institute of Plumbing; Builders Merchants; Trade Supply Outlets; and selected members of the Association of Electrical Contractors of Ireland (AECI).

In addition, Irish Building Services News circulates to independent building services contractors and key executives in industry, Government, Semi-State and local authority bodies.

OPINION

Are You Prepared For Tomorrow?

Yes there is a boom and yes, it's only right that the industry should enjoy this long-overdue and well-deserved period of prosperity and (hopefully) profitability.

But, a word of caution. The boom period will peak ... then perhaps even tail off and go into decline. As Edwin Kenny advises on page 7 inside, now is the time to prepare for that eventuality.

No doubt all of you are already well into preparations for the introduction of the Euro and the implications of the so-called Year 2000 millenium bug. Ideally, both factors should be looked at in the context of a broader and more far-reaching strategic business plan.

So, go ahead ... enjoy the benefits of the current boom. However, don't throw caution entirely to the wind ... with the resources now at your disposal you are well equipped to prepare for, and put something by for, whatever the distant future holds.

Tap In To Massive Buying Spree!

With the building services industry booming and product demand from specifiers at an all time high, the need for an all-industry buyer guide has never been greater. Against this background, the long-established BSNews Buyer Guide is now more invaluable than ever. The forthcoming issue is now in the course of preparation and product suppliers who have not yet returned their completed entry forms are advised to do so immediately.

Contact: Edel Burke @ Tel: 01 - 2885001.

IN THIS ISSUE

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Merriott – Introducing New Radiator Standard EN442

"We wanted to present some important technical issues and still make the evening lively and interesting. We knew that the banqueting facilities at Croke Park would catch people's attention" ... this was the explanation offered by Ray Skelly, Managing Director of Merriott Radiators, for choosing the imaginative setting of the Upper Tier in the Cusack Stand at Croke Park for the recent Merriott customer evening.

The format of the evening worked very well with four high-quality presentations followed by lively discussion and banter over the dinner table.

Commenting on the evening, Ray explained: "We essentially had two important messages to convey. Firstly, that there is now mandatory European legislation — EN442 — regulating radiator standards. We wanted to give people a user-friendly and easily-accessible presentation of what they need to know, and to assure our customers that they can fully rely on Merriott to meet the requirements of this legislation as our products have been independently tested and certified by the appropriate European bodies.



David Tumbleton, Tenec with Frank Treacy, T E Lynskey and Ray Skelly, Managing Director, Merriott

"Secondly, we wanted to give people some appreciation of the capabilities of our painting facilities. In terms of corrosion protection, quality of finish, and the full spectrum of colours we can offer, Merriott has capabilities matched only by the automobile industry." Naturally, when Merriott had gathered a group of key decision-makers in such a captivating setting, they took the opportunity to reveal some impressive facts about the

development of their business. Tony Mullins, Chief Executive of Merriott's parent company, Barlo Group, pointed to the dynamic and ongoing growth of the business. "Through investment and hard work, Merriott has emerged as market leader in commercial design radiators", he said.

"Putting the performance in Group context", he continued, "Barlo Group has seen its European radiator market share grow from 1% to 10% in seven years. Approximately half of this growth has been achieved organically, with the balance being achieved by acquisition."

In this period, Merriott has grown its turnover tenfold and all of this impressive growth has been achieved organically. In



Alison Queally, Merriott with Jim Connelly, Abbott & Partners; Treena Caron, Merriott; and Oonagh O'Gorman, Merriott.

TENFOLD INCREASE IN MERRIOTT TURNOVER

addition to its strong base in the home market, the brand has achieved a significant foothold in Continental European markets.

Explaining this growth Dr Mullins linked it to the Group's heavy investment in Merriott and the "trinity of values" at the hearth of the Group's customer-oriented philosophy. These are:—

- ❑ Continuous development and enhancement of product quality;
- ❑ Leadership in customer service;
- ❑ Well-engineered, and highly-efficient manufacturing;

seven years and I'm delighted to help with its introduction", he said.

Mike prepared a useful 1-page EN442 Fact Sheet which was handed out on the night. This is also freely available on request from Merriott.

Linking his description of the Merriott painting facilities to the EN442 theme, Michael Meagher, Merriott Technical Director, commented:

"We have invested approximately £2 million in our paint plant. It is comforting to know you can offer your customers the best radiator finish available. It is even more reassuring to know that you have the technology which your customers can rely on to fully comply with the painting requirements of the new Euro legislation."

Coming on the back of a record year for both Merriott and its parent company, the night was rounded off with a



Dr Tony Mullins, Chief Executive, Barlo Group, with Bill Treacy, Versatile

celebratory dinner to thank the customers for their ongoing support.

Contact Merriott Sales Department on Tel: 01 - 459 6209 for your EN442 fact sheet.



Oliver Sharkey and Frank J Donohoe, Merriott

To reinforce the introduction of the EN442 Standard to the Irish market, Mike Wright, Barlo Group Technical Director, also made a presentation. "We have been represented on the Euro Norm Committee which drew up this legislation for the past



Michael Callan, J V Tierney & Co with Michael Meagher, Merriott

Do you want to join this winning team?

Merriott wish to appoint a young dynamic sales professional to their Irish operation. This is a new Dublin-based position covering both Dublin and provincial areas.

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The salary package will be fully commensurate with experience.

Merriott
RADIATORS

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**Eileen McGrath,
Merriott Radiators,
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Potterton Myson Do It with Style

The Potterton Myson annual golf outing was held in Mount Juliet earlier this month with approximately 100 guests participating in a wide-ranging programme of social and sporting events. Apart from the golf, there was archery and clay-pigeon, shooting, followed by a gala dinner, presentation of prizes, and entertainment. As usual, the organisation was superb, as indeed was the hospitality extended by Potterton Myson personnel to all those present. Congratulations to all concerned.

Right: Overall winner of the Potterton Myson annual golf outing, Dermot Fennelly receiving his prize from Sean Hanratty, Potterton Myson.



Left: Sean Hanratty, Potterton Myson, presenting second-placed Robert Twohig with his prize.

Right: Sean Hanratty presenting third prize winner in the golf, Terry McGovern, with his award.



Sean Hanratty presenting Liam Kavanagh with his prize.



Don O'Malley, James Rael and Brendan Ryan, pictured prior to taking part in the Potterton Myson annual golf outing at Mount Juliet.



Just to prove that there are other things than golf in life, this happy group of guests at the Potterton Myson annual get-together in Mount Juliet participated in an archery competition.



Paul O'Shaughnessy, Bord Gàis with Vincent Broderick, Potteron Myson Ireland and John English, Hevac.



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Forum Must Consider Specialist Sub-Contractors

***In Edwin Kenny —
ECA* Chairman,
MEBSCA* Council
member and one of
the prime instigators
behind the newly-
formed M&ECA* (the
joint initiative
between ECA and
MEBSCA) — the
mechanical and
electrical sub-
contracting sectors of
the building services
industry has indeed
found a champion.***

ECA – Electrical Contractors Association;

*MEBSCA – Mechanical Engineering & Building
Services Contractors Association;*

*M&ECA – Mechanical and Electrical Contractors
Association*

His credentials as an all-industry spokesman are impeccable. As Director of the IIF Group of companies — 220 employees and annual turnover exceeding £10 million — he has daily hands-on experience of the practical realities of sub-contracting. Despite the responsibility and sheer scale of his “day job”, Edwin still finds time to represent the building services industry in the capacities outlined above.

On top of that he is one of just 16 members of the Construction Industry Forum. In this respect he plays an essential role in fighting for, and safeguarding, the interests of the building services sector.

While immensely proud and supportive of the work of the Forum in general, he is not afraid to tell it like it is when it comes to matters which adversely affect the sub-contracting sector.

Fixed price tendering is a particular case in point. With the report on the Strategic Review of the Construction Industry (which the Forum is charged with implementing) favouring fixed-price tenders in certain agreed circumstances, he is arguing fiercely against its inclusion.

“Fixed-price tendering is an exceptional problem for sub-contractors, especially in the context of currency fluctuations. It can be argued that it is okay when trading within the Euro but, where Sterling and other currencies are concerned, it can have very serious repercussions.

“It takes no financial genius to identify where the fundamental

problems are. Take for instance the cost of copper. The copper content of mechanical and electrical project work is vast, be it in cabling or plumbing services. However, copper is a traded commodity, and a very volatile one at that. Fixed-price tendering effectively means that the sub-contractor has to ‘play the market’. This is totally unacceptable.

“As against that there are some very welcome developments contained within the Strategic Review. For instance, the copper-fastening (no pun intended) of the nominated status of sub-



contractors is long overdue. The implications of this clause are far-reaching, not just for sub-contractors, but also for product suppliers.

“Then there is the Prompt Payment Act. This is a definite step in the right direction and, provided the Forum implements it and effectively polices it, it will contribute significantly to improving relations within the



industry. It will also lead to the creation of a more orderly and professional marketplace".

In the broader context Edwin Kenny is very conscious of the skills shortage currently facing the industry. He rejects the suggestion that the mechanical and electrical sectors has brought this on itself by not supporting the apprenticeship system during the lean years. "We have an excellent record when it comes to apprenticeships and training", he says, "and the figures are there to prove that. What we are experiencing at the moment is exceptional, and that is why demand is outstripping supply.

"Another contributing factor is the buoyancy in countries such as Holland and Brazil. The press reports of returning exiles coming home by the plane-load to work in Ireland in the construction sector are accurate but, we are also losing highly-qualified personnel to the international marketplace. Fitters and other building services professionals are being offered extremely lucrative, tax-free, contracts to go abroad."

This, according to Kenny, has an inflationary effect on building costs, which is being exacerbated by the influx of overseas project managers. This latter development has given rise to a trend whereby overseas concerns are offering key

personnel within the sub-contracting sector exceptionally high salaries to defect. Local employers simply can't compete in the face of some of the contracts on offer, and are consequently losing their most experienced personnel.

Even more ironic still is that fact that the sub-contractor concerned could well end up actually working on a project managed by that ex-employee. "This is hitting the specialist industry sectors particularly hard at the present", says Kenny, "and is also adding an unwelcome inflationary element to the total building cost.

"Further fuelling an unnecessary rise in costs is the growing practice of having to provide pre-qualification documentation for virtually every single project tendered for, irrespective of scale or size. Thankfully, this matter is being addressed by the Strategic Review and I'm looking forward to a streamlining of requirements and standardised procedures in this area."

No interview with Edwin Kenny would be complete without a reference to profit margins. Edwin has very strong views on this contentious issue, and especially the way in which contracts are sometimes awarded in instances where it is difficult to determine how the project can be professionally and properly carried out in accordance with the tender requirements for the price quoted.

"This situation is becoming unreal", says Kenny, "especially when you consider the timescale within which projects are expected to be executed. If anything, the very short lead times and related pressures on resources and personnel should attract a premium!

"This too can have a bearing on safety, though I reject out of hand the unfair press the construction sector gets in this respect. I don't deny that there have been problems on individual sites but, when you consider the scope of the construction sector, the number of employees involved and the diversity of trades and professions involved, our safety record is excellent". Over the past few years in particular there is a great awareness of health and safety among contractors and sub-contractors, and this is reflected by the capacity attendance at the many health and safety courses run by the industry countrywide.

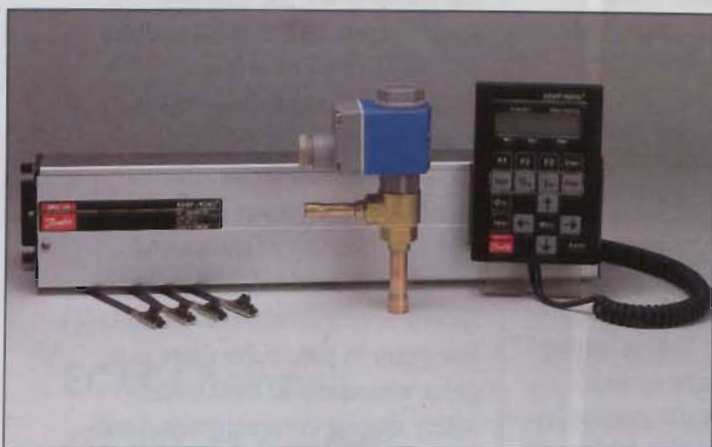
Finally, a word of caution for the future. "We are undoubtedly enjoying an exceptional period at



present", says Kenny, "and hopefully it will continue for some time to come. Nonetheless, we must be realistic. It won't last forever. It's imperative that the industry at large — and mechanical and electrical sub-contractors in particular — allocate some resources now to devising contingency plans for when that happens". ■

Danfoss CONTROLS YOUR ENERGY

Building Services Engineering, Vol. 37 [1998] Iss. 6, Art. 1

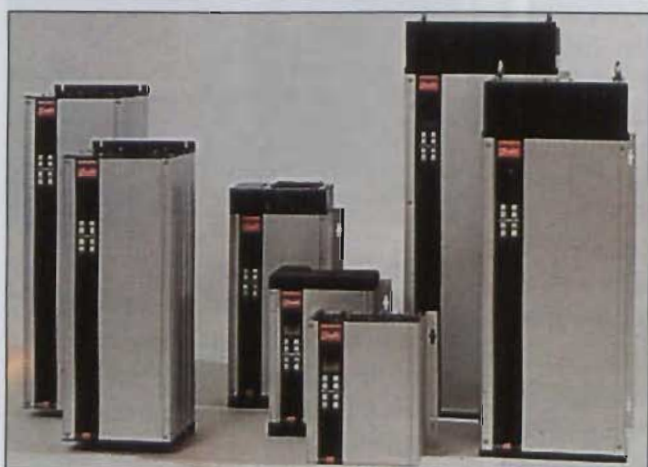


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Building Regulations Changes Impact on Instruments and Controls

New Technical Guidance Documents (TGD) which impact on the controls for space heating and hot water supplies have been issued under the 1997 Building Regulations. Issued as Part L, Conservation of Fuel and Energy, the new Documents come into force on 1 July, 1998.

While the TGD is not mandatory in itself, demonstrating compliance with it will be accepted as *prima facie* evidence of compliance with the Building Regulations proper.

The Part L Conservation of Fuel & Energy Technical Guidance Documents of the building regulations have, perhaps, undergone more expansion than any other part of the new Regulations. The main areas of change to Part L cover:—

- A new Heat Energy Rating method of demonstrating compliance;
- New minimum insulation standard and accounting for thermal bridging in the U-value calculations;
- Updated guidance on air filtration control;
- Update on the insulation of hot water storage vessels, pipes and ducts;
- Update on space and water heating controls.

It is the latter which we will focus on in this particular article. Nonetheless, before doing so, a brief outline of the reasoning behind the provisions in TGD Part L could be helpful.

The Building Regulations owe their origin to concerns about safety and health in the built environment. Energy

provisions in Ireland, the UK and Europe are an extension to these concerns, bearing in mind the enduring nature of the built environment, with buildings constructed today being expected to last up to 100 years, and upgrading in the meantime being a difficult and expensive task.

'Demonstrating compliance with TDG will be accepted as prima facie evidence of compliance with the Building Regulations proper'

EU commitments on stabilising GHG emissions are driving energy policy in the 1990s, especially given that energy use in the built environment accounts for over 50% of CO₂ emissions.

The SAVE ("Specific Actions for Vigorous Energy Efficiency") Directive

calls, among other things, for improved thermal insulation standards and "homeenergy certification". This is the first official introduction of the concept to the Irish market. Insulation provisions in housing since 1979, initially through the CRV system, and most recently through the Building Regulations of 1991, have been successful in greatly improving the energy efficiency of the national housing stock (c. 400,000 units since 1979). But we

still lag behind most Northern European countries.

Altogether, and apart from EU issues, there is considered to be a need to refine the existing provisions on insulation, air leakage and such matters as cold bridging.

There is a distinction between housing, which is relatively standardised and calls for a standardised approach to regulation, and other buildings, which are often customised to particular needs. This is the first in a series of articles which will deal with the standardised approach. In this issue, heating and domestic hot water controls are the main focus of attention.

Heating and Domestic Hot Water Controls

The section covers simple, commonly-found, systems in dwellings and buildings. It does not cover industrial processes. References in parentheses below refer to paragraph numbers or diagrammes in Part L.

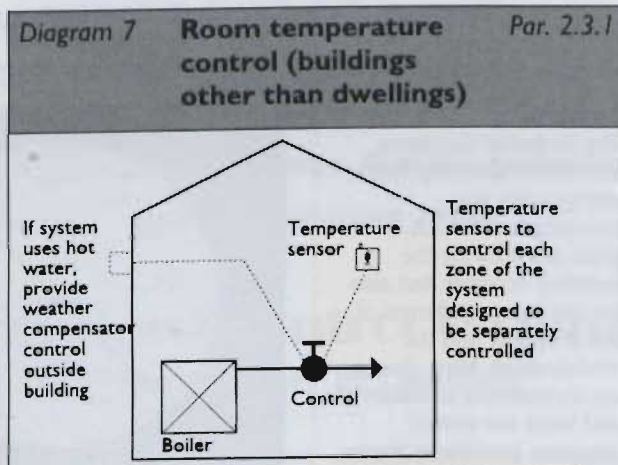
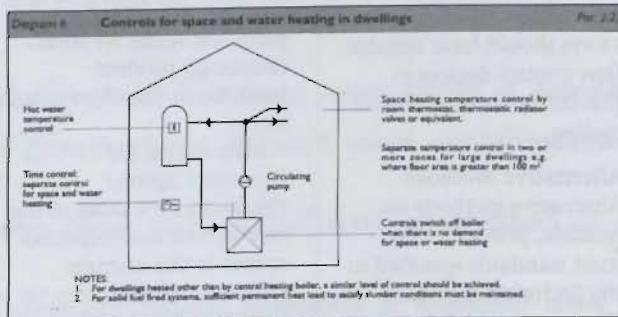
Dwellings

The following items are required: A means of controlling domestic hot water temperature. In practice, if the house has a domestic hot water cylinder with an electric immersion heater, its own in-built thermostat will control it. If the cylinder has an indirect coil for heating by a boiler, it will have a thermostat which is wired through the heating controller to shut off the supply of heat. (2.2.3, Diagramme 6).

Also required is a means of controlling domestic hot water heating times via a time clock which prevents water being heated when not required (2.2.3, Diagramme 6).

One exception to the above two requirements is domestic hot water cylinders providing the slumber load to solid fuel fired boiler (2.2.3).

For space heating, control should take cognisance of temperatures in the space being heated. For gas- and oil-fired boilers, when the space heating or the domestic hot water requires no heat, the boiler should be switched off. There should therefore be a room



Standard Control Systems Looking to Further Expansion

It has been a busy and successful year for Standard Control Systems, as indeed it has for the many other firms allied to the construction industry. The level of business activity is almost without precedent, and this has brought with it a volatility hitherto unknown.

This heightened level of activity though, has lured new entrants into the controls and instrumentation market, further fragmenting the industry, exacerbating wage inflation, and driving margins down.

Within an environment such as this, it is sometimes difficult to steer a carefully-planned course where customer satisfaction, customer retention, and profitability, are the watchwords.

Standard Control Systems is one of the longest-established Irish-owned controls company in the market and its ambition is to continue this success and current growth rate. The company has a wealth of experience behind it, and is well placed to forge ahead within the current economic climate and beyond. It is for this very reason that Standard Control systems' policy continues to be to complete projects on time, to budget, and to the highest possible standards.

This policy has proved its worth many hundreds of times and is clearly seen from the level of repeat business attained.

Notwithstanding the current well-documented

difficulties within the industry where there exists an unprecedented level of activity coupled with heightened competition and diminished profit margins, Standard Control Systems has strived over the last 12 months to strengthen its project management and commissioning teams in order to continue to deliver the best possible service to its customers. So much so that it now has four highly-experienced project teams in place, made up of 30 highly-experienced engineers and technicians. This leaves it in an unassailable position to acquire new work without dropping the high standards that SCS's customers have come to expect.

As already stated, the recent level of activity within the industry has been unprecedented. However, the beneficial spin-off from all the recent projects completed is reflected in the levels of experience of the staff involved, and within the organisation as a whole. Projects such as IBM, Organon, Kodak, Coca-Cola and Tallaght Regional Hospital are without doubt demanding at the engineering and commissioning phases, but are ultimately rewarding in the long term for all those involved.

Sophisticated HVAC applications such as exacting cleanroom control, boiler management, chiller management and pressurisation control are particular areas of professional expertise within the organisation and it is Standard Control Systems' intention to utilise this expertise to consolidate its esteemed position within the market.

The company now holds exclusive agencies and international partnership agreements for a number of highly-regarded instrumentation and control system ranges, including Trend, Johnson Controls, Drayton, Air

Monitor, DriSteem Humidifiers, and Waddell Bladder Dampers.

Contact: Standard Control Systems.
Tel: 01 - 624 6100;
Fax: 01 - 624 6105; eMail: scs@tinet.ie; Website: <http://homepage.tinet.ie/~scs>



Veltron II microprocessors based pressure & flow "smart" transmitter from Standard Control Systems.

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The OpenAir™ damper actuators from ABB provide the perfect final touch to the extensive and versatile market offering from Landis & Staefa.

The careful processing of selected high-quality components makes OpenAir™ ideal, even in buildings such as hospitals, offices and in the manufacturing industry, where quiet operation and absolute reliability are key factors.

From design and manufacture right through to operation, full consideration has been given to all aspects of environmental protection. Features include:-

- Selected, fully-recyclable materials, minimising harmful emissions during manufacture;
- Modular components for easy replacement and repair;
- Environmentally-safe packaging;
- Low power consumption during operation.

With the newly-developed shaft adapter, installation and commissioning are significantly easier.

The "cat's eyes" on the new damper actuators ensure that the position of every damper is clearly visible, day and night, making maintenance and inspection easier and more efficient.

The new OpenAir™ damper actuators are easy to incorporate into existing and proposed building management systems whatever their size and complexity.

Contact: Dave McMenamin, ABB. Tel: 01 - 405 7300.

Photo shows Landis & Staefa's OpenAir™ low-noise damper actuators from ABB.



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Danfoss WP75H from J J Sampson & Son

The Danfoss WP75H time and temperature programmer for hot water cylinders is a simple device offering numerous benefits, not least being that it helps prevent scalding for both the young and old. The WP75H is a new concept in water heating control, offering the user the opportunity to control the time and temperature of hot water generation from a simple-to-use programmable thermostat which can be located wherever it is most convenient for the householder. The WP75H can be used in any system which utilises a hot water cylinder to store hot water.

The WP75H comprises a control panel, with a large easy-to-read display, plus a temperature sensor which is strapped to the hot water cylinder.

Rated at 16A, the WP75H is suitable for use in gas, oil and electric heating applications.

The WP75H offers true 7-day programming, allowing for a different time and temperature profile for the domestic hot water for every day of the week.

The WP75H can also be set up at time of installation to provide 5-day/2-day operation. Whichever is chosen, the WP75H allows the householder to select up to three hot water service periods per day, with the ability to select a different temperature for each period.

In addition to the convenience of being able to programme the time and temperature requirements of the household, the WP75H also incorporates convenient overrides which allow for extraordinary demands on hot water.

A convenient "boost" function provides the householder with a cylinder of hot water outside of programmed hours, at a push of a button, heating the water to the pre-set limit before turning the system off again.

An "All-Day" function provides hot water for the whole of the day, at the temperature programmed in for the first event of the day.

Features:-

- ✓ Easy programming, up to three time and temperature events per day;
- ✓ Convenient "Copy" function allows the user to copy forward programmes from one day to another;
- ✓ Battery driven, retains time and programmes, even when electrical supply is isolated;
- ✓ 16-Amp relay makes unit suitable for all fuels, including electric;
- ✓ Convenient "Boost" function provides a cylinder full of hot water, whatever the programme status;
- ✓ "Water Status" indicator provides the user with an indication of how much hot water there is in the cylinder.

Contact: Jon Byrne/Brian Maguire, J J Sampson & Son.
Tel: 01 - 626 8111.



Photo shows programmable hot water thermostat from J J Sampson & Son.

Potterton Myson Time, Temperature and Flow Control ... Without the Rattle and Hum!

The comprehensive range of controls from Potterton Myson is designed to ensure complete control of home heating, a reduction in energy consumption, and to be kinder to the environment.

The comprehensive Potterton Myson range incorporates three main methods of heating control – time control, temperature control and flow control.

Time Control – Potterton Myson offers a full range of electronic programmers, covering every conceivable time control application.

Fully electronic for accuracy and reliability, they remain easy to set up and programme, and have a clear digital clock display and LED status indicator to show how the system is working.

For those who prefer less complex controls, the Potterton Mini Minder E and Es offers the high accuracy and reliability of advanced electronic time control combined with an easy-to-use and read clockface.

Temperature Control – Direction of water flow through central heating is no longer a headache for installers with Myson's new TRV 2-Way. Unique engineering allows the valve to work at all differential pressures, in either flow direction, without any loss of

performance. So, installers can fit the TRV 2-Way without worrying about rattling or banging, which starts if water flows through a standard TRV in the "wrong" direction. This also eliminates costly callbacks to deal with the noises caused by flexing.

In standard TRVs, many components make-up the internal spindle and disc assembly. However, now Myson has used a new bonding technique (patent pending) in the TRV 2-Way, which stops the flexing of this internal disc when water flows in the "wrong" direction, which in turn eliminates all too familiar rattles and bangs.

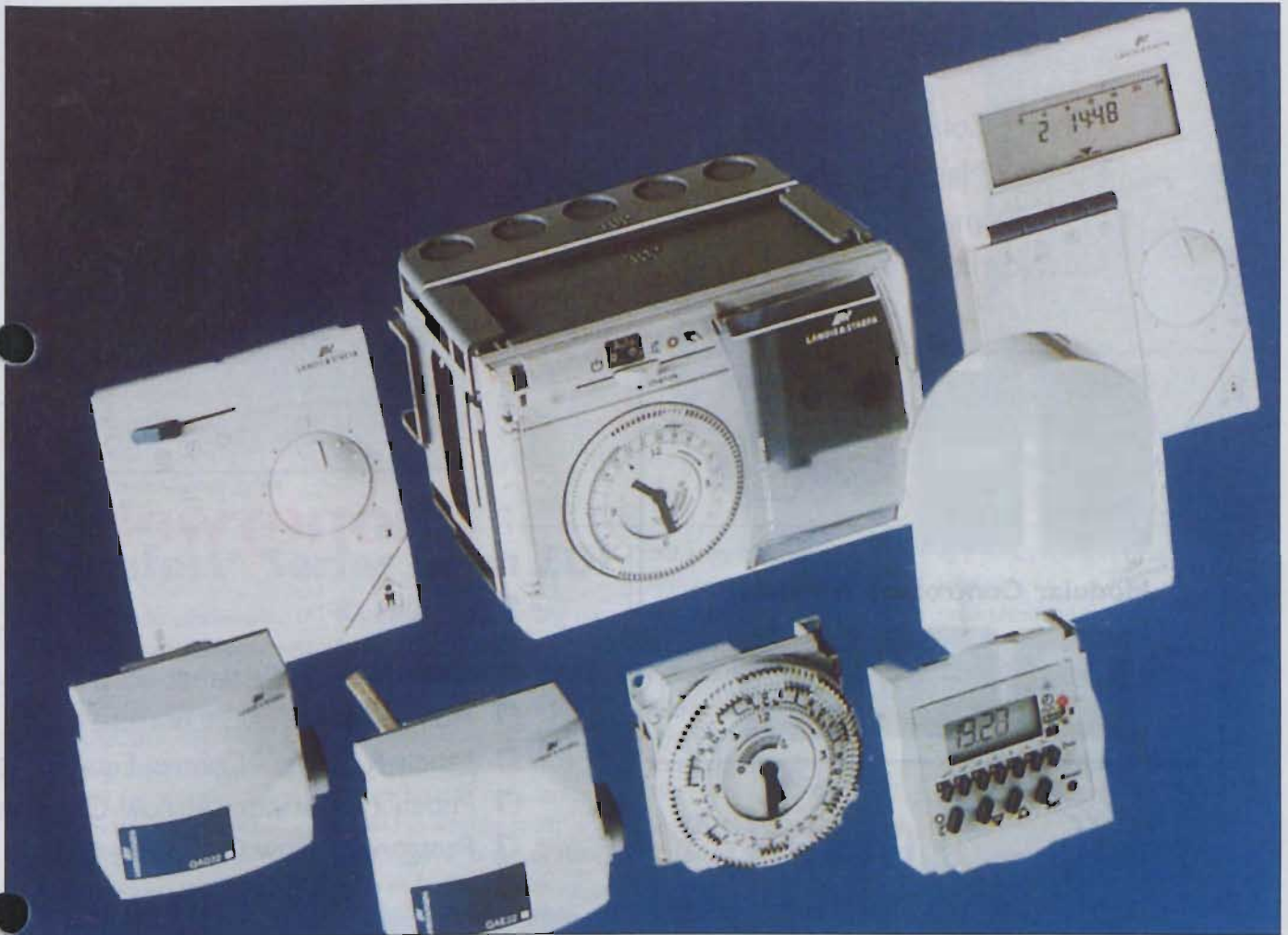
Two-Way has all the benefits of the well-established TRV: a temperature-sensitive liquid element; a sculpted white wheelhead; a choice of finishes in polished chrome, satin brass or nickel; a full range of sizes; plus accessories.

The Myson TRV 2-Way is the latest in a series of innovative products fully conceived, designed, engineered and finally brought to the marketplace by Myson Heating Controls in Newcastlewest.

Flow Control – The MSV range of system control valves has been designed to be used in fully pumped combined central heating and hot water systems.



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eMail: mccooldu@iol.ie

CORK OFFICE

Unit 10, Ashdale House, Blarney, Co Cork
Tel: 021 - 382055; Fax: 021 - 382348;
eMail: mccooldu@iol.ie

BALLYMENA OFFICE

Unit 18, Ballymena Business Centre, 62 Fenagh Road, Ballymena.
Tel: 08 01266 49422; Fax: 08 01266 49423

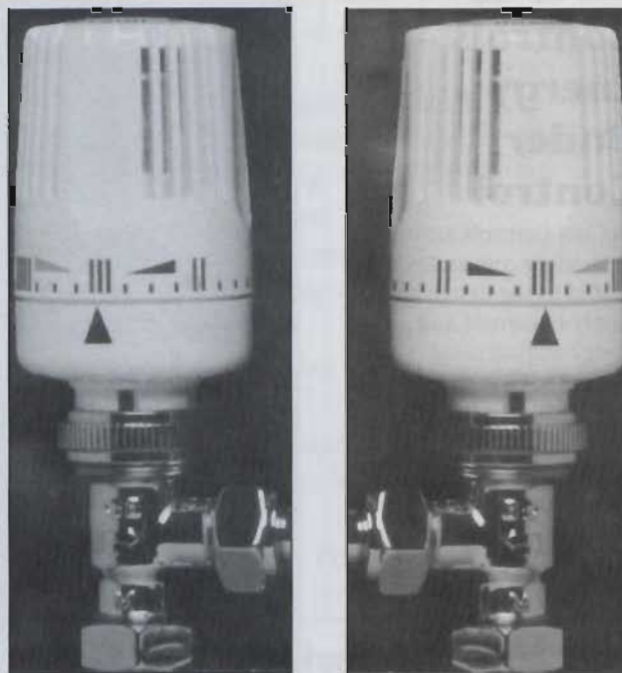
The MSV 222 and MSV 228 2-port zone valves will control either the central heating or hot water circuit. Two of these valves used in combination will satisfy the requirements of most fully-controlled systems. If necessary, additional MSV 2-port valves can be used to split the central heating system into several circuits to provide even better control.

The MSV 322 and 328 2-port midposition valve will control both the central heating and hot water circuits simultaneously. The valve may be operated directly by the system programmer, or via room

and cylinder thermostats.

To complement the existing 22mm 3-port valve, Potterton Myson has extended the range to include a 28mm 3-port valve. This has been a direct response to customer demand in the marketplace. The MSV range is designed, manufactured and tested in Myson Scanglo in Newcastlewest using state-of-the-art technology.

Contact: Fiona O'Neill,
Potterton Myson (Irl).
Tel: 01 - 459 0870.



"There is only one 2-way - The Myson TRV 2-Way.
It's got the competition rattled".

Prefect® Series from EDI

The Prefect PRE6000 keyfob switch, when used in conjunction with the PRE5500 setback/comfort thermostat, can maintain a room set-back temperature until the keyfob is inserted into the wall switch. The temperature is then boosted up to either a pre-

set limit or the setting on the heater's thermostat. When the fob is removed, the room returns to the set-back temperature.

The PRE6000 keyfob switch on its own can be used to activate room entry systems etc, or the boost facility on the

PRE4100/01 central control system receiver module.

When used in conjunction with the PRE5500 thermostat, it offers:

- Adjustable set-back temperature of 5°C to 19°C;
- Frost/damp protection;
- Boost to adjustable pre-set comfort temperature limit by insertion of keyfob;
- Comfort temperature can be adjusted to pre-set limit by the heater's own thermostat.

The Prefect®5 series of setback/comfort thermostats offers simple cost-effective control over local space heating equipment.

The Prefect 5 series can maintain a room set-back temperature and, when activated by either touching the front panel, or activated by PIR sensor or remote contact, will then raise the temperature

to a preset comfort heat level. After a predetermined time the heater returns to maintaining the set-back temperature.

Features include:-

- Set-back temperature adjustable from 5°C to 19°C;
- Comfort temperature adjustable from 16°C to 25°C;
- Comfort period adjustable from 1 to 120 minutes (1 to 25 minutes on PIR models);
- Integral or remote PIR sensors;
- Choice of remote wall mounting or ceiling mounting PIR versions;
- 13A (3000W) loading;
- Single gang size;
- 'Heating' and 'Boost Heat' indicators;
- Temperproof - no externally accessible controls;
- CE approved.

Contact: Des Bradley,
EDI. Tel: 01 - 626 4366.



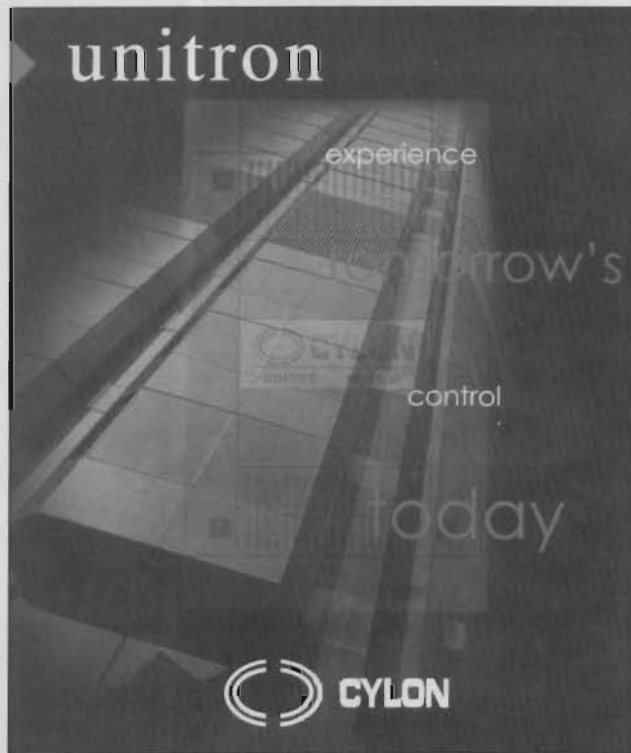
The Prefect PRE5100 Internal PIR Sensor from EDI.

McCool Controls – Energy Under Control

McCool Controls are one of the leading companies in Ireland in the design and supply of control and energy management systems to both the new construction industry and the developing building retrofit markets.

As agents for the Irish-manufactured market leader, Cylon Controls Building and Energy Management Systems and Honeywell Control Systems, McCool Controls have a well-proven track record in delivering a quality engineering and managed system.

McCool Controls offer a full package of installation, engineering, commissioning and validation with an efficient maintenance and service back up with the facility of 24-hour cover and emergency call out. Nationwide coverage is assured with the company's headquarters located in



Dublin and branch offices in Cork and Ballyhaunis.

The control and management of energy is a critical area of concern to building services designers, plant engineers and building managers. McCool Controls provide a full advisory and design service in the areas of monitoring and targeting max demand control, energy reports and energy management and control.

The Unitron range of BEMS controls from Cylon is particularly adaptable to the retrofit industry where the necessity of fitting equipment into existing electrical panels is a cost-efficient solution to an otherwise expensive modification.

McCool Controls have developed a particular expertise in this area, where they are normally employed as the main contractor and therefore carry out all necessary electrical installation, panel/switchgear modifications and mechanical installation.

Contracts such as AIB Bank Centre Ballsbridge, Central Bank of Ireland Head Office, Dame Street and Mint Production Facility in Sandyford, Stratus Computers Blanchardstown, Dublin Corporation Ballymun Flats complex, Ulster Bank Central Computer Centre Building Stillorgan and Ulster Bank Nationwide Branches network are some of the retrofit projects completed in the last two

years.

McCool Controls have worked with all the major building services consultants on an impressive range of contracts in areas such as computer/electronics; pharmaceutical; chemical; food; public authority; health, and commercial buildings.

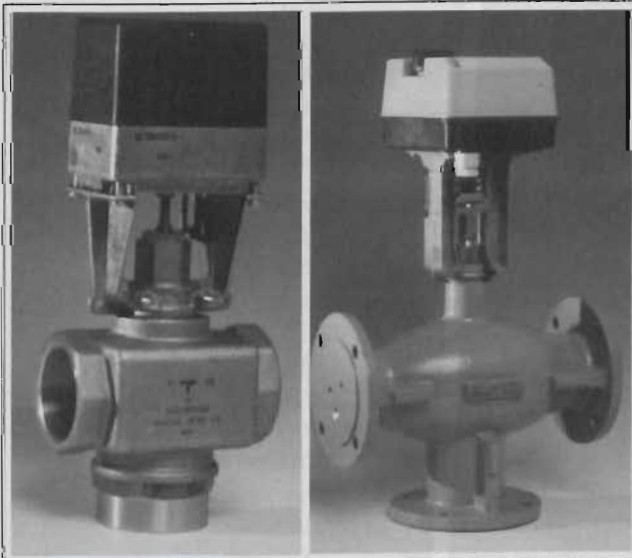
Examples of recent projects are Schering Plough, Avondale; Heinz Foods; 3 Com Computer Facility, Blanchardstown; Janssen Pharmaceutical, Cork; Xilinx Facility, City West; Johnson & Johnson, Cork; Civic Offices, Wood Quay; RTE, Donnybrook; Hewlett Packard, Leixlip; Cook Ireland, Limerick; Adhesive Research, Limerick; Macom, Cork; and nationwide branch contracts for clients such as Ulster Bank, Allied Irish Bank, Dunnes Stores.

Project management and customer satisfaction are two areas in which McCool Controls are recognised as being particularly strong. Customers speak of well-engineered projects, with very impressive graphic interface screens allowing ease of use of the system for the engineer, with comprehensive reporting and logging features.

Clients also speak highly of the efficient and well-structured training they receive at handover stage, and of the excellent "as-built hand-over engineering manuals" they receive.

The facility of on-line support and back up via modem is offered to all BEMS customers and has proven to be highly-efficient in both time and cost to all who avail of this facility.

Contact: Finn McCool/Anial McCarthy, McCool Controls.
Tel: 01 - 855 0542.



Above: Examples from the extensive Honeywell HVAC control systems range now available from their Irish "systems representative" McCool Controls

ENERGY MANAGEMENT COMES OF AGE

Energy management in Ireland has come of age, developing from what was a fledgling industry just two years ago into a mature business.

Hitherto conceptual energy management techniques and formulae are now being applied in a practical way to great effect.

● *The Energy Show '96 was instrumental in spearheading this development.*

Now, the forthcoming Energy Show '98 — which is being presented by the Irish Energy Centre — heralds the introduction of a new generation of dynamic, innovative products and services, designed to take us into the next millennium and beyond.

● *The Energy Show '98 comprises a 2-day exhibition with complementary workshops and events, designed to highlight the many ways in which energy costs can be reduced; productivity can be increased; comfort conditions can be improved; and environmental impacts can be reduced.*

The Energy Show '98 will also act as a forum for the exchange of views, information and experiences, and will contribute significantly towards achieving the country's ambitious energy-saving targets.

Who Should Exhibit?

The Energy Show '98 is the perfect sales, marketing and promotion platform for all companies active in the energy sector, be it as a product supplier or services provider. Applications covered are wide ranging, and include all those engaged in:—

- ◆ Energy Audits
- ◆ Building Energy Management Systems
- ◆ Energy Management Systems
- ◆ Management & Training
- ◆ Combined Heat & Power
- ◆ Boiler & Ancillary Equipment
- ◆ Boiler Services & Testing
- ◆ Compressed Air
- ◆ Fuel Suppliers & Utilities
- ◆ HVAC Products
- ◆ Lighting & Lighting Controls
- ◆ Instrumentation, Controls & Data Collection
- ◆ Variable Speed Drives
- ◆ Maintenance & Service Contractors

Workshops – The Objectives

The prudent selection, operation, control and regular inspection of all energy-using systems can save considerable energy resources. Indeed, it is estimated that the application of currently-available technologies and careful energy management techniques can, in many instances, result in an annual saving of up to 20% of overall energy consumption. Achieving this objective requires very careful consideration of all options based on previous experience and current best practice. These workshops will highlight how this task should be undertaken in each of the subject applications detailed.

There will be a total of four, half-day workshops. Technologies covered will be:—

- ◆ Variable Speed Drives
- ◆ Lighting & Lighting Controls
- ◆ Combined Heat & Power
- ◆ Building Energy Management Systems



IRISH ENERGY CENTRE

The Irish Energy Centre is a joint initiative of the Department of Public Enterprise and Forbairt, with a mission to promote the development of a sustainable national energy economy. It is supported by the EU through the Community Support Framework.

It provides independent, authoritative information and advice on energy-related matters; encourages best energy management practices; contributes to the implementation of Ireland's national energy policy; develops and administers grant-aided schemes which result in energy efficiencies; conducts conferences and workshops; publishes guides and case studies; and promotes the exploitation of renewable energy resources.

Visitor Profile

The Energy Show '98 is a must for anyone with responsibility for, or an interest in, energy and energy-related matters. This includes:—

- ◆ Energy Managers
- ◆ Consulting Engineers
- ◆ Property & Facilities Managers
- ◆ Hospital Managers
- ◆ Factory and Utilities Managers
- ◆ School & University Managers
- ◆ Hoteliers
- ◆ Energy end-users
- ◆ Maintenance Managers
- ◆ Service Managers
- ◆ State Utilities
- ◆ Government Department Officials



Product of The Show

The Product of The Show Awards will be adjudicated by an expert panel of industry personnel who will select the various category winners from submissions made prior to the Show. These, along with the overall winner, will be presented on day one, and will remain on display on the Product of The Show stand for the duration of the event.

National Boiler Awards

Sponsored by Royal and Sun Alliance

Organised by the Irish Energy Centre, the National Boiler Awards are highly valued by those within the energy management sector and general industry. The presentation of winners is *the* energy industry event of the year and it is appropriate that this year's ceremony will form an integral part of The Energy Show '98.

Exhibition Dates & Opening Times

Wednesday	November 18th	10.00 am – 6.00 pm
Thursday	November 19th	10.00 am – 5.00 pm

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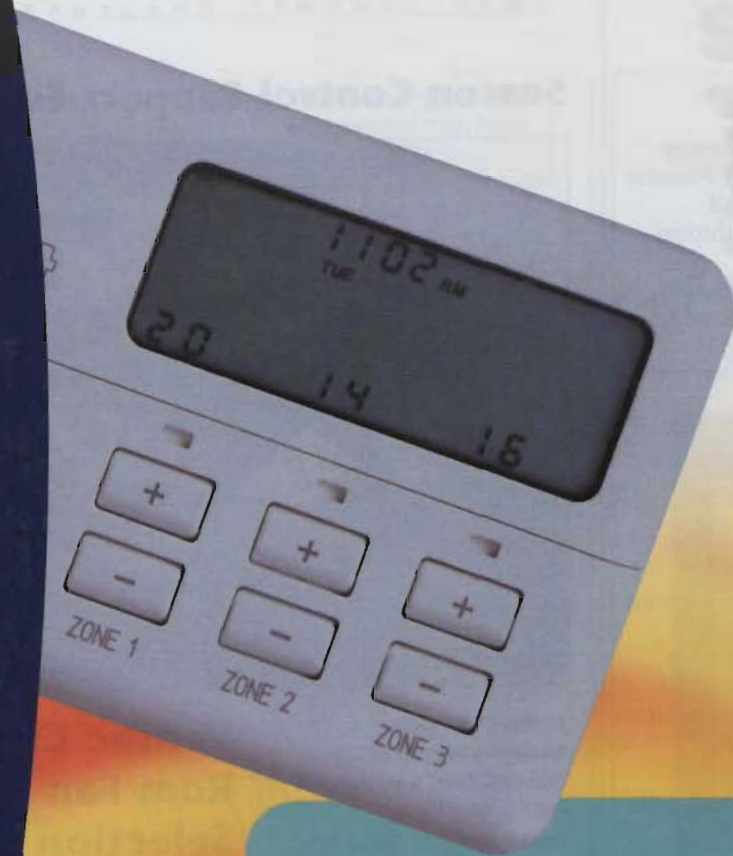
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Olympia Appoint PFP

Olympia, the leading Dutch manufacturer of bathroom accessories and fittings, has appointed Pan Firefly Products (PFP) sole Irish distributor for its extensive range of handshowers, shower-sets, shower hoses, and bathroom accessories.

Recognised internationally as a brand of quality and uncompromising performance, Olympia is renowned for reliability and its contemporary designs.

A typical example is the new Prestige handshower set. This new unit incorporates:-

- One-touch de-scaling system
- Chrome-plated fixing arm
- "superquality" 1.5m Hercules showerhose
- Multi-directional, easily-adjustable, hand-showerholder
- Contemporary styling

Over the last 30 years Olympia has been to the forefront

in pioneering the development of innovative product lines which, apart from consistent quality and enhanced performance, also break new ground in terms of safety and energy-saving features.

This dynamic approach is carried right through to the point of sale with the entire range presented in attractive, eye-catching, packaging. In-store display material and merchandising stands are also available, and PFP personnel are currently installing these for Olympia stockists throughout the country.

Complementing these benefits is a very competitive pricing structure which facilitates attractive strategic price points while, at the same time, affording a decent profit margin for stockists.

Contact: Sales Department, PFP.
Tel: 021 - 961 823.



The Olympia Prestige handshower which is now available from PFP in Cork.

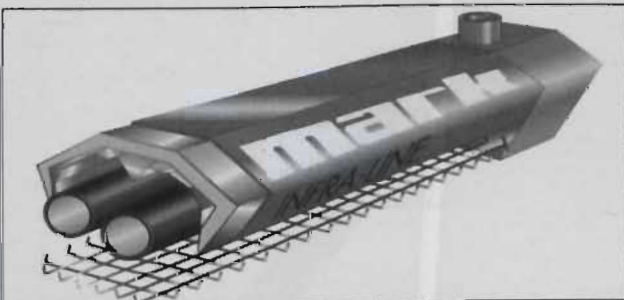
Mark Infra-Line

Latest addition to the Mark Eire range is Mark Infra-Line, not just a new name but a totally new heating concept.

This gas-fired black tube

radiator is an aesthetic product with a wide range of applications in commercial and industrial buildings.

Its modular construction



Mark Infra-Line, not just a new name but a totally new heating concept from Mark Eire.

Season Control Support Fund



Above: Chris Hutton, Managing Director of the Season Control Group and Patricia Kennedy, a representative of "The Everest & Himalayan Challenge '98". Season Control Group are associated, by way of sponsorship, with the '98 Challenge fund. All proceeds from this event will be donated to the "Irish Brain Research Foundation" and "National Council for the Blind of Ireland". BSNews joins with Season Control in wishing Patricia and her team the best in the venture.

Ventac CD Rom Fan Selection

Ventac has introduced Gebhardt and S&P fan selection programmes on CD rom which run on Windows and are available, free of charge, to consulting engineers and architects.

The main features are as follows:

Gebhardt - This programme allows for fan selection against a given duty. It is fully inter-active in that the user can change the handling; re-position duty point on the curve; select different drives; and select different motor manufacturers.

S&P - The S&P programme allows the user view the entire S&P catalogue, or to select a fan with a given duty. It gives full sound power levels and dimensions, including those for the accessories.

A typical example from the S&P portfolio is the TCFT-B compact tubular range of axial fans which are designed to be mounted in a ducted system for general ventilation, industrial and process applications. The design

means the product can be installed on a project basis in every building.

Specifically designed for the European market, installation and service can be carried out at a distance, while its modularity makes the product easy to transport.

With this new tube radiator Mark has added a unique and economical heating system to the range.

Contact: Maurice Byrne, Mark Eire, Dublin.

Tel: 01 - 668 0510;

Michael Keane, Mark Eire, Coolea.

Tel: 026 45334.

TRADE AND PRODUCT NEWS

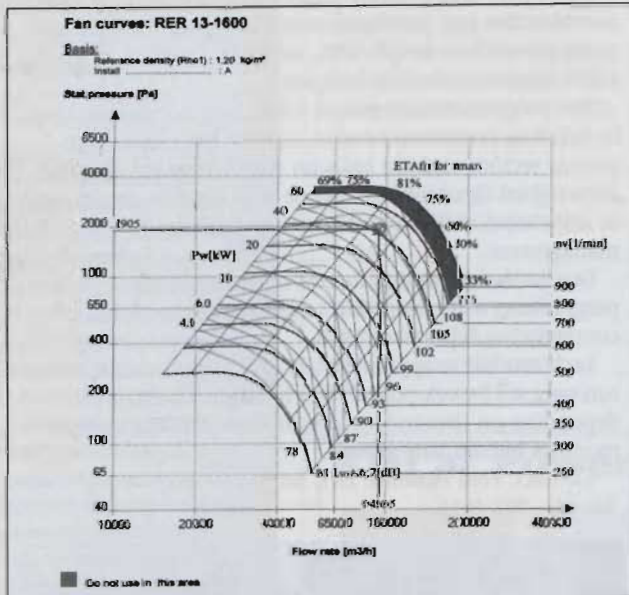
of the internal rotor motor, with wrap-around impeller hub, provides maximum performance with extra-slim depth, thereby requiring minimum space for installation.

The casing is made of rolled steel plate and the motor support from steel

rod electro-welded. Both are protected with black polyester paint.

Full details on the entire S&P and Gebhardt ranges, and copies of the CD rom selection programmes, are available from Ventac.

Contact: Ciaran King, Ventac. Tel: 01 - 667 1077.



Fan selection made easy with CD rom selection programmes from Ventac.

Honeywell Appoints McCool Controls

Honeywell Control Systems, the US global technology company, has appointed McCool Controls as their Systems Representative for HVAC Control Systems for the Republic of Ireland.

This appointment is an integral part of Honeywell's Building Control strategy for providing access and support for their controls and associated systems for commercial buildings through specialist companies.

McCool Controls will market, design, engineer and install Honeywell building products and systems in the Republic of Ireland through their two branch locations in Dublin and Cork.

The continued inward investment by International companies and the increasing demand for technology solutions for the commercial building sector, is seen as a key opportunity for Honeywell and McCool Controls.

McCool's established position in the Irish building controls industry and Honeywell's position as a world-wide technology leader is seen as a combination that can provide competitive and technologically-advanced solutions to new and existing customers in the Republic.

Contact: Finn McCool/Amal McCarthy, McCool Controls. Tel: 01 - 855 0542.



An example from the extensive Honeywell HVAC control systems range now available from McCool Controls. See also page 18.

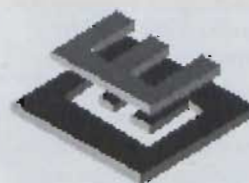
Stainless Steel Sanitaryware

- ◆ Urinal slabs (floor/wall mounted)
- ◆ W.C. pans (floor/wall mounted)
- ◆ Wash hand basins (wall hung/inset)
- ◆ Shower trays
- ◆ Urinal bowls
- ◆ Cleaners sinks (with bucket grating)
- ◆ "Schiller" cubicle systems



Excel Industries produce a unique range of stainless steel sanitaryware including "Schiller" cubicle systems, w.c. pans and urinal slabs. The range is complemented with wash hand basins, shower trays, cleaners sinks and squat pans which are sourced from leading European specialist manufacturers. Stocks are maintained. Urinal slabs are made to order because we produce to exact customer specification (ie length) but delivery is usually no longer than 2/3 days. All products are produced from grade 304 polished stainless steel sheet which will provide many years of satisfactory and maintenance-free service.

For more information or a free brochure please contact Brendan Byrne at:-



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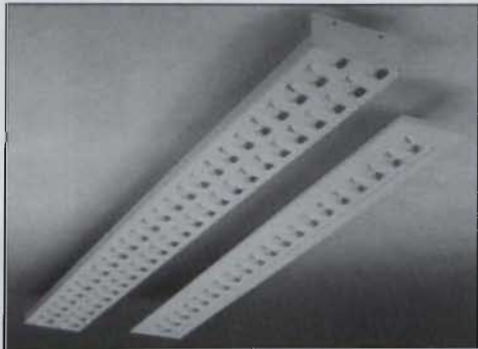
Tel: (353) 01 820 7900; Fax: (353) 01 820 4797

email: excel-industries.com

Gilberts Zipp-Air Diffuser

Gilberts launched its innovative "Zipp-Air" Diffuser at the Building Services Event at London's Earl Court recently. The result of extensive work by Gilberts on specialised technical air movement projects in recent years, the Zipp-Air Diffuser has been specially designed to overcome the technical restraints normally associated with high air change rates in conditioned areas.

The new GZL (Zipp-Air) Diffuser Series offers a new concept in linear air distribution technology. Combining innovative design and dynamic styling with excellent air



The innovative Gilberts Zipp-Air diffuser from Finheat.

distribution performance, the Zipp-Air is further development in the sphere of modern high induction diffuser design, complementing Gilberts existing ceiling and floor swirl technology.

Using its unique cross-flow design, the unit's rapid air entrainment characteristics allow it to deliver high volumes of air into the conditioned zone while maintaining normal comfort levels, even with air change rates as high as 25.

Manufactured from extruded aluminium, the GZL is available in 1- or 2-slot width configurations, suitable for ceiling or sidewall mounting. Single units can be supplied up to 1.5m length with longer length supplied in sections and joined, almost invisibly, with a simple, effective alignment feature.

The standard border detail comprises a 27mm flange border with end flanges or end caps optional. However, in keeping with modern ceiling design, the series is available with alternative border styles to match different popular ceiling types.

Contact: Jim King, Finheat. Tel: 01 - 623 4222.

On Air with Vent-Axia

Vent-Axia has launched a "Wireless" remote ventilation management system which employs digital radio signalling



The new Vent-Axia T-Series "wireless" remote ventilation management system.

from a battery-powered, wall-mounted transmitter for full-function centralised operational control and precise setting of variable running speeds for up to 16 ventilation fans.

The receiver units can be sited to display the status of each controlled zone or be located out of sight above a ceiling – "unlike infra-red control which is confined to same-room, line-of-sight operation", the company points out.

Contact: Michael Randall, Vent-Axia Ventilation.
Tel: 01 - 450 4133.

DIT Bolton Street IMBM Awards

The Dublin Institute of Technology, Bolton Street – in association with the Institute of Maintenance and Building Management (IMBM) – continued to offer the successful Maintenance Management Programmes of Study on a modular basis during the academic year just ending.

These part-time evening programmes incorporate topics on corrective and preventative maintenance; finance and costings; contract law; health, safety and welfare at work, and communications techniques.

The programmes are geared towards personnel engaged in building maintenance work in both the public and private sectors, and the basis on which they are operated allows great flexibility to anyone attending to obtain new, or additional, skills in building maintenance management.

Due to the continued success of the 1997/98 programme, it is planned to repeat similar modules commencing September 1998.

Each module is approximately 36 hours duration and is run over a 12-week period. The Institute would, depending on demand, be prepared to offer the various modules to company groups.

Contact: Fred Hosford, DIT, Bolton Street.
Tel: 01 - 402 4016.



The presentation of IMBM Diplomas for 1994/1997 recently took place at DIT Bolton Street. Successful recipients were drawn from both public and private sectors of the maintenance management industry. Pictured at the presentation of the awards were (seated left to right) – Kevin O'Halloran; James Doyle; The Right Honourable The Lord Mayor of Dublin; Councillor John Stafford (who presented the awards); Gerard Harte; and Peter Deely. (standing left to right) – Mark Florence; John Ryan; Patrick Gallagher; Paul Kenny; Tomas O'Heochaidh; George Long; and Liam Feeney.

Deborah Uncorks the Champagne!

Congratulations to Deborah O'Gorman of Reconair Engineering who was the first caller of many to spot our "message for the day" (19 June) on the BSNews Wall Chart. She receives a bottle of Champagne for her attentiveness.

Make sure you keep checking for hidden messages on your BSNews Wall Chart – and also in the pages of your regular copy of BSNews. You never know what you might find.

Cylon Pledge Free Upgrades for Year 2000 Compliance

Cylon Controls, which manufactures the Unitron building management system, is to make the latest version of its PC-based supervisory software available as a free upgrade in a bid to ensure all existing Unitron systems are Year 2000 compliant.

Version 4.94 of the WN3000 supervisor is fully compatible with the database structure and all graphics used in previous WN3000 V4 releases. Cylon states no re-engineering is required. However, Cylon advises upgrades should be performed by Approved Cylon Systems Integrators (ACSI's) so that PC hardware and operating systems can be checked for Year 2000 compliance at the same time.

WN3000 version 4.94 is fully compatible with the latest Year 2000 compliant operating systems from Microsoft. It supports normal and touch-screen supervisors, and PC's connected directly to the Unitron system, or by modem or across office networks.

Cylon's Sales Manager, George McDonald, states: "We don't want Cylon users to be among those with operational problems at the turn of the century. This is a pain-free upgrade and those who opt for it will also benefit from several enhancements and extended capabilities in the new software".

Since its launch in 1993, all Unitron hardware has been Year 2000 compliant. The offer of free upgrades to version 4.94 software applies to all Unitron systems running with registered earlier versions of WN3000 V4. Unitron users are asked to contact their ACSI in the first instance.

Contact: George McDonald, Cylon Controls.
Tel: 01 - 836 6626.

Air Movement Group Acquires Dan Chambers

After close on 40 years in the business Dan Chambers has given the first indication that he might be thinking of calling it a day. Not that retirement is in the offing just yet ... despite selling out to the Air Movement Group (of Smiths Industries), he will remain at the helm of both Dan Chambers Ltd and Dan Chambers Manufacturing Ltd for at least another couple of years.

So too will the core management team Dan put in place and which has served so loyally and effectively over the years.

Included in this respect are Jim Bollard, Director of Sales and Peter Coughlan, Production Manager.

They, along with Eileen and Lucett Chambers on internal sales, and technical sales engineers Brendan O'Toole and Damien Mooney, will spearhead the next phase in the company's development.

Dan Chambers has been a pioneering force in air movement, ventilation, and related equipment and accessories in Ireland for many years. When he first established the company 21 years ago, he set out to

create a service-oriented business with the emphasis on trouble-shooting and problem-solving.

That he was successful in this endeavour is there for all to see. At the time of the buy-out - which was completed late last month - Dan Chambers Ltd and Dan Chambers Manufacturing Ltd were to the forefront of successful companies in this industry sector.

That Dan should choose to sell having reached the pinnacle of the industry hierarchy has surprised many ... but then, what better time to sell!

One thing that has not surprised anyone within building services is that Dan Chambers enjoyed such success. He is highly regarded and respected.

BSNews joins with the industry in congratulating Dan Chambers on this recent development ... it could not have happened to a nicer guy.

The following is the official press release issued by Smiths Industries Plc in relation to the acquisition.

The Air Movement Group of Smiths Industries Plc has acquired Dan Chambers Ltd and Dan Chambers Manufacturing Ltd, two businesses which together represent one of the largest heating and ventilation businesses in the Irish Republic.

Dan Chambers, who founded the original businesses in 1977, continues as Managing Director and will retain his existing management team.

According to a company spokesperson, the acquisition provides AMG with an ideal platform from which to develop the Irish market for a range of products including fans, spiral ducting and fittings, grilles, volume control, fire dampers and air handling units.

BTU at Powerscourt



BTU Captain Brendan Bracken with Sean Smith, 3rd Class 1, and John Lawlor, Coolair, who sponsored the outing.



Captain Brendan Bracken with Vincent Broderick, 2nd Class 2, and John Lawlor of Coolair.

Cork Institute of Technology Student Presentations

Students of the National Diploma in Engineering (Building Services), mounted a poster presentation of their research projects recently in the Exhibition Centre of the Cork Institute of Technology. The purpose of the exhibition was to afford representatives of the building services and facilities engineering industry an opportunity to view first-hand the students' project work.

A wide variety of projects were on view and the content and quality of the

presentations was of a very high standard. Bord Gàis Eireann generously sponsored the event which included a wine and food reception.

Cork Institute of Technology also offers a National Certificate in Engineering (Building and Industrial Services).

Both courses are accredited by the Institution of Engineers of Ireland (IEI) and by the Chartered Institution of Building Services Engineers (CIBSE) for registration as Technician at Certificate



Brendan Goggin, Registrar CIT; Derry Sheehan CIT; Patrick Kelleher, Director CIT; Denis O'Sullivan, Sales Manager, Bord Gàis Eireann; Tony Fitzpatrick, Head of Department CIT; Barry Leech, CIT.

level and Engineering Technician (Eng Tech IEI) Incorporated Engineer (I Eng CIBSE) for registration at Diploma level. Registration for each category is contingent on

the applicant having acquired the necessary industrial experience.

Contact: Barry Leech, Course Director, Cork Institute of Technology. Tel: 021 - 326682.

Building Services at Plan Expo

Building Services at Plan Expo — the new initiative for the construction industry's premier exhibition showcase — has already attracted some of the industry's leading names such as Sanbra Fyffe, Wavin and Shires.

Their stands will be strategically located around the Heating and Plumbing Skills Demonstration Area, which will feature students from Bolton Street carrying out complete installations using products and equipment donated by these exhibitors.

If you wish to participate in this innovative concept, contact Garret Buckley or Stephan Murtagh at Tel: 01 - 295 8181.

Silver Medal for Multi Clima/Beutot

The 1997 Batimat Interclima Innovation Competition, which took place in Paris last November, awarded the silver medal to the French chiller manufacturer Multi Clima/Beutot in the HVAC category.

The award was given because of the innovative design of Beutot Chiller. Features which influenced the judges were the twin pumping system in hydraulic module, which allow the main pumps to circulate through the chiller, and a secondary set of pumps, pumping through the storage vessel to the load. A 2-way control valve system on the chiller's plate heat exchangers allows variable water flows, therefore, modulating the chiller water temperature.

The Modular design of the water-cooled chiller (BCOO range) and the air cooled chiller (BACC range), consists of a compact screw compressor (also available

with semi-hermetic or scroll compressors). Each module comes complete with its own stainless steel plate heat exchanger, accessible filter drier receiver and all necessary refrigerant components to operate the module.

The condenser coils for each module are V-shape and arranged perpendicular to the long side of each unit, not only to reduce foot-print but also to prevent pressure fluctuations from the wind side effect. Regards to control systems, microprocessor controllers compatible with Carel or Trend Bms systems are available.

With capacities from 90 to 1600 kw, Multi Clima/Beutot focuses not only on the replacement market of existing chillers (ie, using CFC R11, R12, R500, etc), but also on the present market of new buildings requiring highly reliable chillers (CE-labelled). One of the most

interesting features is the range of new gases which Multi Clima/Beutot offers, therefore, responding to the government request in reducing CFC's which have created global warming.

The 16 innovative models have been launched to the European market in 1996 and have been widely successful with site references such as:

- ☐ National Exhibition Centre Birmingham;
- ☐ Ericsson Cables Sweden;
- ☐ Chelsea Football Club Village Complex;
- ☐ Cinemas in Lyon and Marseille;
- ☐ Hotels in Paris;
- ☐ Banque de France in Metz.

This packaged range is now available to the Irish market from D C Compute Air Ltd in Dublin, who has sold over 1300 Kw of cooling in the first two months of 1998. Included was the UC Hospital, Galway where two BACC SH (790 kw) units with R407C and heat recovery were installed.

Contact: D C Compute Air Ltd. Tel: 01 - 839 2366.



PHEX

the Plumbing & Heating Exhibition

Successful PHEX Exhibition Returns

The success of the three previous PHEX Ireland exhibitions has confirmed the organisers belief that a dedicated domestic plumbing and heating exhibition for Ireland is both necessary and desirable.

Listening to the views of both exhibitors and visitors, a third venue has been added to the 1998 exhibition series. As well as visiting Dublin and Belfast, this year the PHEX Ireland exhibition will also visit Cork, allowing manufacturers and their distributive agents an opportunity to cover a broader part of this significant market.

The proven formula of offering installers, stockists and specifiers of domestic heating and plumbing products the opportunity of visiting any of the venues in Cork, Dublin or Belfast, to see first hand the products and services available to them in their day-to-day work and discuss directly with the manufacturers and distributor their individual requirements, fulfils an important link in the educational and information chain.

All three PHEX Ireland venues have again been well supported by manufacturers and distributors and, as before, the organisers have arranged opening times to be as convenient as possible for visitors. A free buffet, together with the successful casino evening, is available to all visitors.

This year the PHEX Ireland Roadshow will visit the Silver Springs Hotel in Cork on Monday, 21 September at 5.30pm to 9.30pm.

The show will then move to the Red Cow Complex in Dublin on Tuesday, 22 September, at 6pm to 9.30pm and Wednesday, 23 September, at 11am to 3.30pm.

After Dublin the show will visit The Kings Hall Conference Centre in Belfast on Thursday, 24 September, at 6pm to 9.30pm and Friday, 25 September, at 11am to 3.30pm.

Should you require further information, or need extra PHEX Ireland visitor tickets, contact:- Claire Tilbury on Tel: 0044 181 680 4200.

Wilo Multivert Series MV1

The Wilo Multivert Series MV1 is a new range of universal stainless steel pumps designed for a wide variety of applications including water supply and pressure boosting; fire fighting systems; boiler feed; industrial circulating systems; process engineering; cooling water systems; pressure cleaning; and sprinkler systems.

Pumping capabilities are comprehensive, media catered for including potable water; heating and domestic water; condensate; water-glycol mixtures up to 40% content; as well as other non-viscous liquids without abrasive or fibrous matter, non-aggressive to the pump material.

Construction comprises inline multistage, non self-priming, vertical high-pressure centrifugal pump of pressure ratings PN 16 and PN 25 with equal-size suction and discharge connections; sectional construction with stainless steel impellers; diffusers and pressure casing.

Shafts of pump and the



The Wilo Multivert Series MV1.

IEC-standards motor are rigidly coupled by a clutch coupling. A separate adapter-mounted roller bearing serves to completely compensate the axial forces so that any IEC-standards motor (mounting frames V1 or V18) can be used. There is also a maintenance-free, bi-directional mechanical seal.

All relevant construction elements are suitable to handle food-related liquids.

Contact: Derek Elton, Tony Cusack, Wilo. Tel: 061 410963.

Rain Fails to Dampen Spirits

Despite the atrocious weather on the day, 65 brave souls threw caution to the wind (and rain!) to participate in the IDHE 10th annual golf outing at Luttrellstown Golf Club recently. At times the conditions were appalling yet, paradoxically, there were some fine scores with Dave Cranston taking top prize with 42pts.

As usual the overall event was sponsored by Barlo Merriott plc, with the winner receiving the Hevac Perpetual Trophy.

The numbers swelled even more for the dinner and presentation of prizes later that evening with IDHE Chairman Dave Harris and Oliver Fitzpatrick of Barlo officiating.

Overall Winner – Dave Cranston
Hevac Perpetual Trophy – Dave Cranston, 42pts

Class 1

1st – Dave Harris, 40pts
2nd – Alan Daly, 38pts
3rd – Jim Kelly, 37pts

Class 2

1st – Paul McGrath, 38pts
2nd – Tony Concannon, 35pts
3rd – Tom Kennedy, 35pts

Class 3

1st – Peter Dunne, 30pts
2nd – Colm Kilmartin, 28pts
3rd – Pat McGrain, 26pts

Visitors Prize

Leo Kelly, 40pts

Longest Drive

Eamon Mahon

Nearest to Pin

Dave Cranston



Dave Harris, IDHE Chairman, presenting Overall Winner Dave Cranston with his prize.



Dave Harris, Winner of Class 1, receiving his prize from Oliver Fitzpatrick.



Paul McGrath, Winner of Class 2, receiving his prize from Oliver Fitzpatrick.

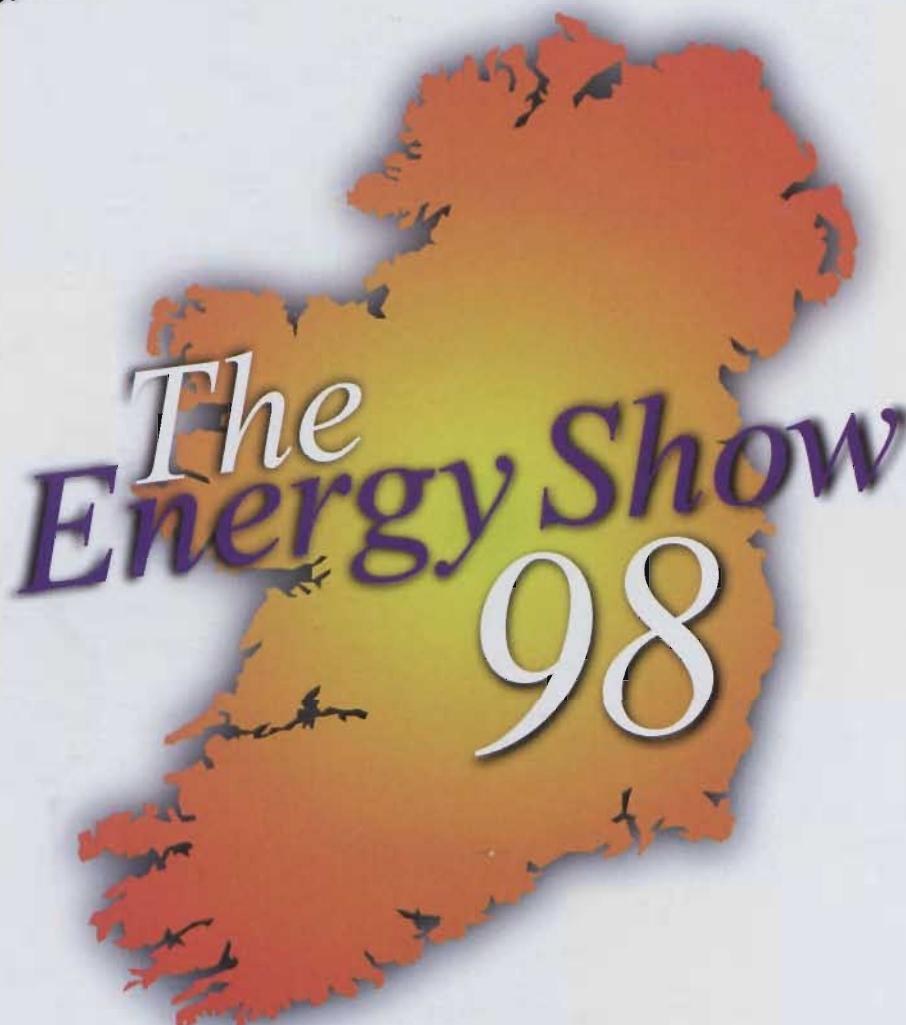


Jimmy Kelly showing his appreciation as he receives his prize from a somewhat nervous-looking Oliver Fitzpatrick.



Peter Dunne, Winner of Class 3, receiving his prize from Oliver Fitzpatrick.

et al.: BS News
*The Energy Show '98 is a must for anyone
with responsibility for, or an interest in,
energy and energy-related matters.*



Exhibition & Workshops

presented by



IRISH ENERGY CENTRE

Venue

Burlington Hotel
Conference Centre, Dublin

Dates

Wednesday 18th &
Thursday 19th November 1998

Contact

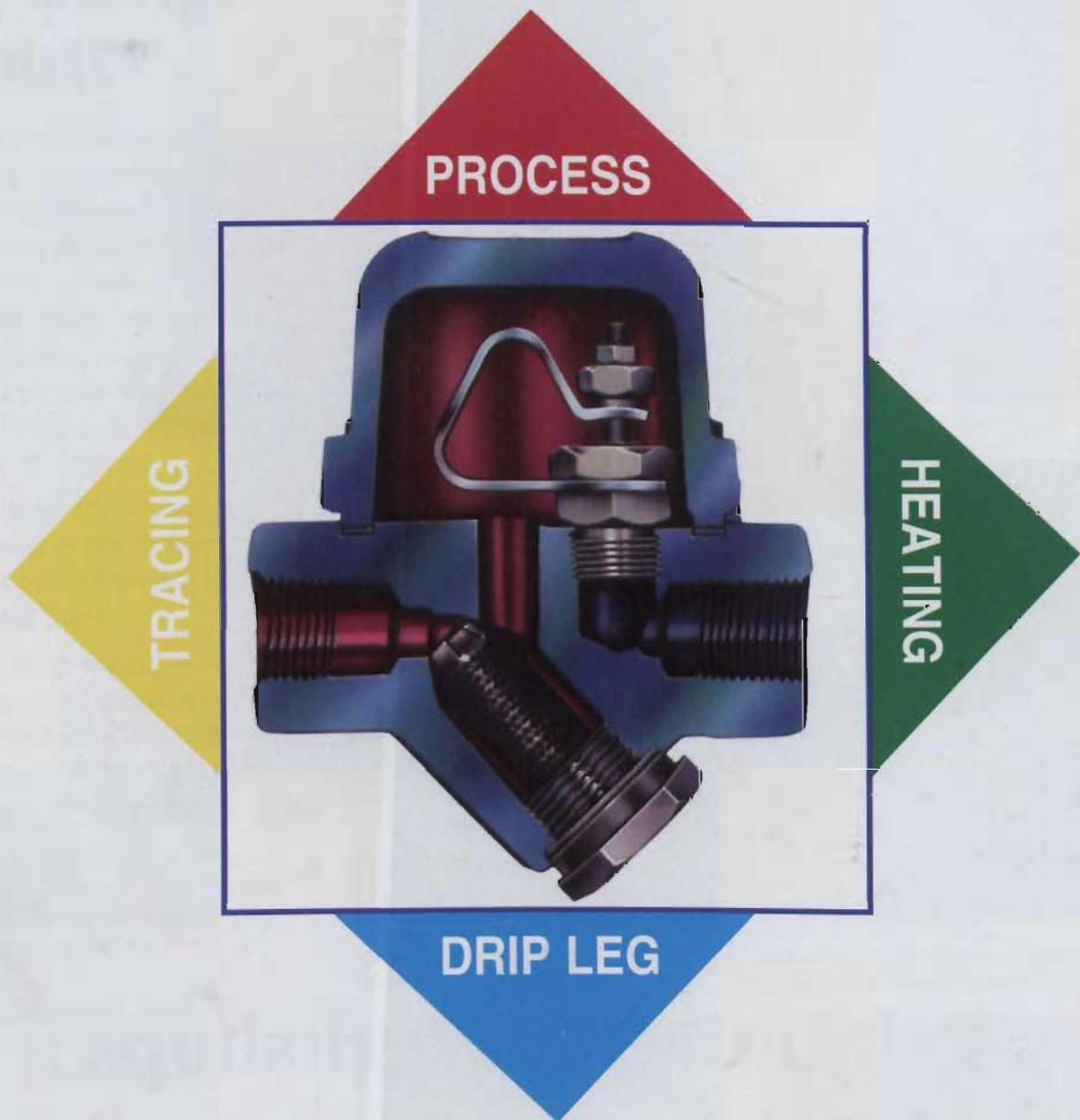
Margaret Andreucetti/Maureen Ledwith, Business Exhibitions Ltd, Exhibition House, 6 Sandyford Office
Park, Dublin 18. Tel: 01 - 295 7418; Fax: 01 - 295 7417; eMail: energy98@irish-energy.ie

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BESTOBELL STEAM

Steam Traps and Steam Specialties



Inside the Bestobell Steam Trap



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