ATTENTION TO TEMPERATURE

Involves no labour cost when magnetic valves are installed. For all practical purposes they solve every temperature control problem. We shall be glad to give advice on your particular needs without any obligation.

THE MAGNETIC VALVE CO LIMITED
BUSH HOUSE, LONDON, W.C.2. TELEPHONE: TEMPLE BAR 7777

JIHVE, March 1938.
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CONTROLS

IMPLEMENTING YOUR ENERGY PLAN

Testing a steam control valve at the Johnson Factory, 1944.

Photographs, advertisements and book covers are taken from the CIBSE Heritage Group website and Archives. Many of the very early ones are in poor condition, but have been included because of their special interest or rarity. BMR, Budleigh Salterton 2020

CONTROLS PIONEERS


CONTROLS COMPANIES

Barber-Colman 14, Belimo 16, Carrier 17, Danfoss 18, Electric Heat Regulator 22, Honeywell inside front cover, 2, 24, Johnson inside back cover, 3, 30, Magnetic Valve 1, Minneapolis Honeywell 34, Pascal Ironworks front cover, Powers Regulator 38, Satchwell 42, Staefa 43, Honeywell & CIBSE 44, Sweatt Mfg back cover.
CONTROLS PIONEERS: ANDREW URE

Andre Ure, 1778-1837.
Scottish chemist who coined the word "thermostat."
CONTROLS PIONEERS: Dr. NEIL ARNOTT

Dr. Neil Arnott, 1788-1874.
Physician Extraordinary to Queen Victoria; he devised the "Thermometer Stove."
Devised "an apparatus for regulating temperature and keeping the air in a building at any desired degree of moisture."
Albert Butz, 1849-1904.
Invented the Butz “flapper-damper” control for furnaces.
CONTROLS PIONEERS: WARREN S. JOHNSON

Warren S. Johnson, 1847-1911.
Invented an electric thermostat and founded the Johnson Electric Service Co.
in Milwaukee in 1885.
CONTROLS PIONEERS: WILLIAM R. SWEAT

William Richard Sweat, active 1890s.
Invested in Companies which became Minneapolis Heat Regulator in 1912.
CONTR oL S PION E E RS: MARK HONEYWELL

Mark Honeywell, active 1920s.
Started in business as a plumbing and heating engineer, then formed the Honeywell Heating Speciality Company, merging with Minneapolis Heat Regulator in 1927 and going on to become Honeywell.
CONTROLS PIONEERS: WILLIAM P. POWERS

William Penn Powers, active 1890s.
Started W. P. Powers in 1860 and established the Powers Regulator Company in Chicago in 1890.
CONTROLS PIONEERS: HOWARD D. COLMAN

Howard D. Colman, 1873-1942.
Co-Founder of Barber-Colman Company 1894.
CONTROLS PIONEERS: MADS CLAUSEN

Mads Clausen, 1905-1966.
Founded Danfoss in Denmark in 1933.
Remembering Howard Colman's 1894 Patent. The Company was founded in 1900 to make textile machinery, starting an Electrical Division in 1926.
Barber-Colman Management Systems.
The Company was founded in Switzerland around 1932.
From a Carrier Booklet of 1920 (Carrier was founded in 1915).
Commemorating 50 Years in 1983. The company was founded in Denmark in 1933.
COMPANIES: DANFOSS

The Danfoss Refrigeration Expansion Valve manufactured from 1933.
A little history

Als is one of many Danish islands and has been developed from a decidedly rural to an industrial society where balance is preserved between old traditions and modern techniques. On this island—by the town of Nørnboeg, halfway between Copenhagen and Hamburg—the story of Danfoz begins in 1933. The underlying idea was an automatic expansion valve for refrigeration plant, conceived at the right time and quickly followed up by a series of products designed with an eye to the future that automation promised.

Mads Clausen begins the story when as a young engineer he comes home to his family farm on Als and under primitive conditions in the attic of the farmhouse where he was born starts to turn his idea into reality by producing the first refrigeration valve. In 1933 the number of valves sold was 466. One year later the number had increased so much that Mads Clausen decided to start a “proper factory” in a wooden hut by the side of the farmhouse and engaged four people to work in it.

Founded in 1933.
COMPANIES: DANFOSS

Early history between 1936 and 1947.
COMPAANIES: ELECTRIC HEAT REGULATOR

Advertisement from 1895. The Company was founded in 1885
COMPANIES: ELECTRIC HEAT REGULATOR

Minneapolis Heat Regulator

For Steam and Hot Water Heaters and Hot Air Furnaces


Electric Heat Regulator Co.
Minneapolis, Minn.

Advertisement c.1905.
The Company origins date from 1885.
There’s a little bit of chicken in all of us.

One big trouble with being chicken is that you can wind up with nothing much to crow about.

Consider, for example, the job of picking a computer. If you back off from the computer you honestly think is best and pick another one just because it’s “safe”, you’re not doing yourself (or us) any good.

So get plenty of facts, then base your decision on them. Find out which new-generation computers have been selling and why... and if you now have an older computer, which new models make conversion easiest. Find out who has the best record for delivering both software and hardware on time. Find out who has the widest choice of rental and purchase plans, and how this can save you money. Find out who is best equipped to provide computer speed and capacity for both today’s needs... and tomorrow’s.

Get all the facts, then be hard-nosed about your decision. Don’t be chicken... be right.

Honeywell
ELECTRONIC DATA PROCESSING

From "The First 100 Years", 1985.
COMPANIES: HONEYWELL

From "The First 100 Years", 1985.
COMPANIES: HONEYWELL

COMPANIES: HONEYWELL

Automatic Controls

FOR COMMERCIAL HEATING - VENTILATING AIR CONDITIONING

Honeywell First in Controls

ELECTRONIC, ELECTRIC and PNEUMATIC CONTROLS

1959 catalogue.
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COMPANIES: HONEYWELL

1979 brochure.
COMPANIES: JOHNSON

100th Anniversary Brochure in 1985.
COMPANIES: JOHNSON

1885 - 1935

FIFTY YEARS
DEVO TED TO THE PROMOTION OF
COMFORT, HEALTH AND ECONOMY

For half a century, the Johnson organization has devoted its entire effort to the manufacture, installation, and improvement of the Johnson System of Temperature and Humidity Control. Through all those years, the Johnson Service Company has been the leader in the development of automatic control apparatus for heating, ventilating, and air conditioning.

Special problems are not new to Johnson Service Company engineers and installation men. Whatever the means adopted to accomplish heating, cooling, humidification, and dehumidification, there are Johnson devices, tried and tested, to secure the particular effect desired. A background of fifty years of continual development and progress is assurance to architects, engineers, and contractors who refer automatic control problems to the Johnson Service Company. Their clients, the building owners, benefit by the experience of a nation-wide organization devoted to just this one line of business. The Johnson Service Company never has failed to execute any contract entrusted to it.

JOHNSON SERVICE COMPANY	Milwaukee, Wis.
BRANCH OFFICES IN ALL PRINCIPAL CITIES
INCORPORATED: NOVEMBER 1885

This ad prepared by Johnson Service Co., 1355 W. Washington Blvd., Chicago

50 Years Anniversary in 1935.
Early Johnson thermostat.
COMPANIES: JOHNSON

Family Wealth
Economy, Comfort, Health

The Husband Explains.

Wife—John, dear, how do you account for your present over weight?

Husband—Can’t you reason, Mary? 

Wife—I can’t—I can’t! I reason that it’s our new Johnson Draft Regulator. 

Husband—Easily, Mary, it is a fact that if the draft has been eliminated entirely by the Johnson Draft Regulator, the husband has but to provide the wife with proper nourishment and clothing, and she will look after herself. 

It balances the temperature, and this, with the Johnson Draft Regulator, is all that is necessary to make a family wealthy.

The moral is plain. How often do not the things which appear insignificant contribute the largest share towards comfort and economy? A moment’s reflection only will convince that a Johnson Furnace Draft Regulator can effect a decided saving in household expenditures. A small amount placed in your room automatically supplies your furnace, without expense to your time or fatigue. This is something especially desirable in the winter months.

J. H. Johnson electric service co. 

12 Pearl St., Boston, Mass. 

91 Madison St., Pittsburgh, Pa. 

29-31 Roger St., Bremo, N.Y. 

128 Sycamore St., Milwaukee, Wis. 

104 W. Twelfth St., St. Louis, Mo. 

Electric Service Co. of Buffalo, Erie County Bank Building, Buffalo, N.Y. 

Johnston Temperature Control Co., 411 Dearborn St., Chicago, Ill. 

Johnson Temperature Registering Co., 240 Fourth Ave., New York City. 


Johnson sales force 1900.
COMPANIES: MINNEAPOLIS HONEYWELL

Factory and employees of the Electric Heat Regulator Company in 1909 that went on to become part of Minneapolis Honeywell.
COMPANIES: MINNEAPOLIS HONEYWELL

AUTOMATIC CONTROL SYSTEMS
FOR HEATING, VENTILATING
AND AIR CONDITIONING

MINNEAPOLIS-HONEYWELL

1938 Catalogue.
JUST SET THE INDICATOR!
Forget About Drafts, Dampers or Valves

FROM field spring the head regulated heating plant is a source of almost comfortless bother, annoyance and inconvenience. The home is either too warm or too cool; the fire is dying away or flying too hot, alternating forced trips to the basement or to adjust dampers, valves or dampers, valves; and how exactly the temperature you want. It's done automatically. The "Minneapolis" takes entire care of the heating, sending up and saving more the fire according to the temperature in the living room. There's no guesswork.

The "Minneapolis," never mind a head regulatetor, eliminates a need for attention to dampers, valves, damper, or dampers, valves; and how exactly the temperature you want. It's done automatically. The "Minneapolis" takes entire care of the heating, sending up and saving more the fire according to the temperature in the living room. There's no guesswork.

THE MINNEAPOLIS HEAT REGULATOR
ESTABLISHED 1888

For Coal - Gas - Oil

1926 advertisement.
COMPANIES: MINNEAPOLIS HONEYWELL

The famous "Honeywell Round" thermostat dates from 1959.
COMPANIES: POWERS REGULATOR

1894 advertisement.
THE POWERS
Temperature Regulator

For controlling Automatically the Temperature of Residences, Schools, Churches and public buildings.

Particularly adapted to
VENTILATING WORK.

Five Thousand in Use!!
Simple, Durable and Effective!!
No Electricity!! No Complications!!

Send for Catalogue specifying whether for Residence or School work

THE POWERS REGULATOR CO.,

45 Oliver St., BOSTON, MASS. 36 Dearborn St., CHICAGO, ILL.
218 and 220 Third St., LOUISVILLE, KY.
The A. A. GRIFFING IRON CO., Gen. Eastern and Southern Agents
Jersey City, N. J.

1895 advertisement.
Thermostat polishing shop, early 1900s.

TEMPERATURE REGULATED
IN LARGE BUILDINGS

Such as Office Buildings, Schools, Hotels, Apartments, etc., without the annoyances and failures of systems heretofore used.

The Powers System
Has always been known as a simple, practical, and perfect method of regulating temperature. By recent patents we have protected our methods as applicable to large work, and can send you a circular more fully describing its application if desired.

The Powers Regulator Company
Send for Catalogue.

MAIN OFFICE,
36 BEARBORN STREET,
Chicago.

NEW YORK OFFICE,
34 John St.
45 Oliver Street, Boston,
505 Union Trust Building,
St. Louis.

1897 advertisement.
COMPANIES: POWERS REGULATOR

Powers thermostat, 1903.
The original Company was Rheostatic dating back to 1926.
Established in Switzerland in the 1960s.
Warmest congratulations to CIBSE on 100 years service to the industry

From the Honeywell family.

Honeywell Control Systems Limited, Honeywell House, Bracknell, Berkshire RG12 1EB.
Telephone: 01344 656000

Advertisement from 1997.