

# Sontay®

... experts in field controls



# 2022

Introduction Brochure

INNOVATION • QUALITY • COMMITMENT • SUPPORT





# OUR PEOPLE

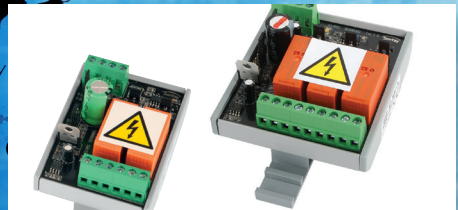
We wouldn't be who we are or where we are without our fabulous team.  
They are the reason our customers rate us as excellent to deal with.





# OUR PRODUCTS

Over 45 years in the industry has taught us a thing or two about how to make the most accurate and reliable devices.







All assured by our Quality & Environmental Management Systems

ISO 9001 Quality Management



ISO 14001 Environmental Management System

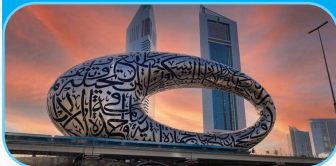




University Hospital  
Sant Joan de Reus, Spain



Museum of the Future,  
Dubai



Adare Manor Hotel, Ireland



France 3 Normandie Television  
Channel, France



Primary School, Malta



Dammam Medical Tower,  
Saudi Arabia



# WORLDWIDE

Our vast network of customers and distributors around the world ensure that the sensing data in buildings around the globe is in safe hands with Sontay devices.



# Sontay<sup>®</sup>

## OUR CUSTOMERS

Let's not forget our loyal customers old and new who support us and keep the Sontay brand at the forefront of the industry by choosing us as their supplier.

Sontay is your **reliable** partner for **quality** and **accurate** sensing products. We manufacture our range in house so have the **flexibility** to make bespoke items to suit **your individual project** needs.

### What they say about us





# NEW PRODUCTS

We have added exciting new products to ensure health and safety in buildings and closed environments.

## PARTICULATE MATTER SENSING



It is proven that particulate matter such as PM2.5 particles can have major health impacts to us all when breathed in over a long term.



Our Particulate Matter Sensors monitor the concentration of PM2.5 or PM10 in the air. These are combined with a wide range of other environmental measurements including RH&T, CO<sub>2</sub> and TVOC. For ease of use and indication to building occupants there is a LED or LCD display showing the stages from green to red of worsening conditions.



## SMART IO MODULES



When your application requires additional inputs and outputs on a physical controller, our Smart IO Modules provide the perfect solution.

For 2022, we are adding to our popular Smart IO range.

Our latest products add a wider range of inputs and outputs to offer options for the smallest to the largest installation requirement.



## ROOM CONTROLLERS



If you are looking for simple and accurate control in multiple applications such as heat pumps, fan coils and other heating or cooling equipment, the SC-RC Room Controllers offer the ideal solution.

All controllers come with temperature sensing as well as options for RH, CO<sub>2</sub>, VOC and PIR. This versatile controller offers the systems integrator a host of inputs and outputs to incorporate other monitoring points for their equipment.



## COMING SOON

## The Sontay LoRaWAN revolution is coming.

### Our new LoRaWAN range of sensors and gateways

will offer the excellent sensing capabilities of the Sontay sensing device combined with the wireless power of LoRaWAN technology.







## SONTAY ACADEMY

Through over 45 years in the industry, Sontay has gained great knowledge in products and applications. This offers a fantastic opportunity to pass this information on to the industry through training via the Sontay Academy!

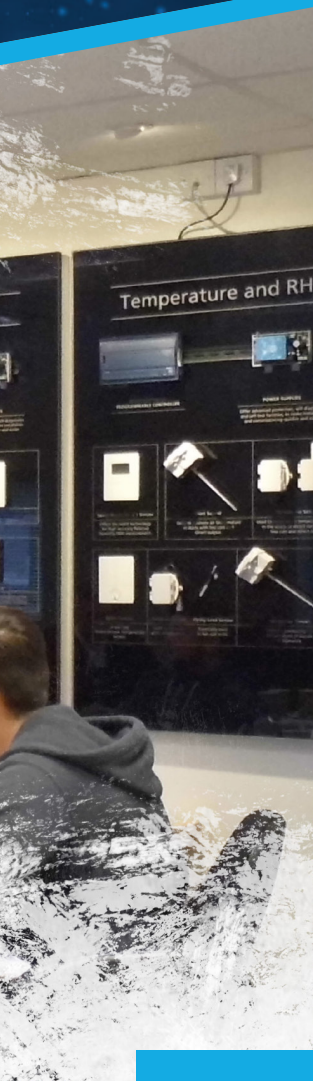


The Sontay Academy offers  
Building Controls Industry Association (BCIA) courses.

**Available at our facilities in Edenbridge and Leeds as well as by online webinar.**

**New health and safety courses for 2022. Over 130 to choose from.**





# Sontay<sup>®</sup> Academy



sontay-academy.com

The courses incorporate the latest technical information from the building controls sector:

**BCIA**

- BCM01 - Fundamentals of HVAC & Building Controls
- BCM02 - Measuring & Control Technology
- BCM03 - Hydraulics in Building Services
- BCM04 - Control Function of Heating Plants
- BCM05 - Control of Ventilation and Air Conditioning
- BCM06 - Control of Cooling Systems

**e  
LEARNING**

- Understanding BeMS Basics Level 1
- Understanding BeMS Cooling Level 1
- Understanding BeMS Heating Level 1
- Health & Safety, Soft Skills, Human Resources

**SONTAY**

- Introduction to Building Controls
- Wireless Sensing Systems
- Practical BMS Course
- Smart Communication using BACnet
- The Importance of Sensing in BMS





# SONTAY PRODUCT RANGE

... your number one choice for all measurement and control equipment in buildings.



Measure the speed and volume of air and liquid with our air and water flow products. Applications include sensing of air velocity in ducts, wind speed and direction outside, monitoring of air and liquid in ducts and pipes and levels of liquids and other mediums in tanks.

## Air & Water Flow

- AV** Air Velocity Sensors & Probes
- FS** Air & Liquid Flow Switches
- LS** Liquid Level Switches & Sensors



Control air quality for comfort and vitality using our air quality and CO<sub>2</sub> sensing equipment. Use our gas leak alarm system to provide safety alarms and shutdown facilities on commercial and industrial gas installations.

## Air Quality & Gas Detection

- GL** Gas Leak Alarm Systems
- GS** Air Quality, Carbon Dioxide/RH & T, Gas Sensors
- SD** Duct Smoke Detector



Our range of controllers offer many benefits through intelligently controlling heating and ventilation systems. This facilitates not only the comfort of the occupant but also savings in energy, reducing costs and carbon footprint.

## Controllers

- FC** Fan Speed Controllers
- RE** Electric Heater Battery Controllers



IO modules offer capability for rescaling, converting, isolating and overriding signals from BMS controllers.

## Input/Output Modules

- IO** Input / Output Modules



Communication through smart protocols is rapidly increasing in popularity. The enhanced Smart Devices range from Sontay, offers a wide selection of products that can communicate through BACnet or Modbus protocols.

## Smart Communication Protocols

- SC** Sensore intelligente - BACnet/Modbus
- SC-RC** Controllore intelligente la zona
- PA-DPT-MOD** Controllore intelligente Aria DP
- SC-FS** Gateway intelligenti
- ST-IO** Moduli Smart IO
- SC-Gateways** Porte per condizionatori d'aria







Emergency switches and water leak detection give early warning for shutdown in emergency situations.

#### Water Detection & Emergency Products

- EP Emergency Switches/Buttons & Thermal Link
- WD Light Level Controllers & Sensors



The light level and occupancy sensors can be used for security and energy savings.

#### Light Level & Occupancy

- LL Light Level Controllers & Sensors
- OC Occupancy Detectors



The pressure range consists of switches and sensors for air and liquid. They offer monitoring and indication of flow in HVAC applications to ensure systems are working correctly.

#### Pressure

- PA Air DP Sensors & Switches
- PL Liquid Pressure Sensors & Switches



Our temperature and RH sensors are renowned for their accuracy and reliability and are available for a variety of applications such as outside, ductwork, pipework and space. Our wireless range offers the same accuracy and reliability but with the added cost savings of a wireless network particularly when using the serial driver for integration with the Niagara framework. There are also bespoke user interface solutions for those projects that require a more specific solution.

#### Temperature & Humidity

- RH RH & T Sensors & Humidistats
- ST Temperature Thermostats
- TT Temperature Sensors & Pockets
- UI User Interfaces & Alarm Annunciators



Our range of valves and actuators are suitable for many HVAC applications. We offer many actuator options to suit your requirements including raise/lower and modulating control.

#### Valves & Actuators

- VA Damper, Valve & Failsafe Actuators
- VR Rotary Shoe Valves
- VZ Zone Valves & Actuators





# SONTAY'S Contact Team

Our team will be pleased to hear from you whenever you require any information on our range of products and services.

## Internal Sales & Technical Support

Customers regularly comment on the excellent services they receive from our Internal Sales and Technical Support Team's. Contact them for any enquiry you may have.

### Internal Sales

Telephone: +44 (0) 1732 861200  
E-Mail: sales@sontay.com

### Technical Support

Telephone: +44 (0) 1732 861218  
E-Mail: support@sontay.com

## Sales Team

We have account managers based locally throughout the UK and worldwide who can visit to discuss account terms, projects and applications.

UK Sales



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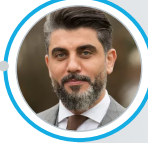
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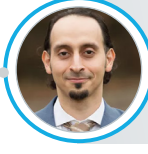
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International Sales







**Sontay®  
Academy**

Education in HVAC and Indoor Climate Control

**BCIA Courses**





## Education and Support in HVAC and Indoor Climate Control



### BCM00 Introduction to Building Controls and HVAC

Difficulty level:  
GREEN

This course gives an overview of the systems and technologies used in the HVAC industry and includes the use of building controls and building management systems. It is designed for those already involved in building controls that require a knowledge and understanding of the terminology, technologies and systems used.

### BCM01 Fundamentals of HVAC & Building Controls

Difficulty level:  
GREEN

This course gives an overview of the systems and technologies used in the HVAC industry and includes the use of building controls and building management systems. It is designed for those already involved in building controls that require a knowledge and understanding of the terminology, technologies and systems used.

### BCM04 Control Function of Heating Plants

Difficulty level:  
AMBER

This course provides a detailed overview of all types of heating plant and systems together with the associated control applications. This is an course for those who have a good level of knowledge and a recommended minimum of two years' experience within the industry.

### BCM02 Measuring & Control Technology

Difficulty level:  
RED

This assessed course gives an overview of the systems and technologies used in the heating, ventilating and air conditioning industry. Building control and building management systems are also covered. This course is designed for engineers and technicians who have some knowledge and field experience with a minimum period of one year within the industry. It is also necessary that candidates complete Fundamentals of HVAC & Building Technology (BCM01) first.

### BCM05 Control of Ventilation and Air Conditioning

Difficulty level:  
AMBER

This course details the requirements of air conditioning plants and how they can be controlled effectively for energy efficiency. It is designed for those responsible for the design, installation and commissioning of building control technologies & systems for ventilation and air conditioning. This course builds on the knowledge gained in the BCM01-BCM04 courses.

### BCM03 Hydraulics in Building Services

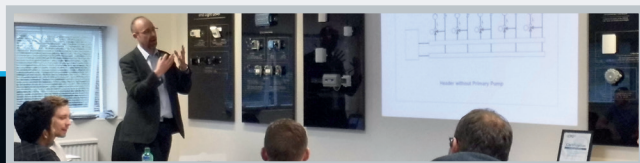
Difficulty level:  
AMBER

BCM03 covers the main water circuits & systems and includes the necessary mechanical knowledge needed to understand applications, valve sizing and control. The course is designed for those who have some knowledge and a recommended minimum of one year field experience within the industry.

### BCM06 Control of Cooling Systems

Difficulty level:  
RED

BCM06 is a detailed, theory-based course relating to refrigeration and psychometrics, focusing on how the refrigeration process operates. This is a course for those who have a good level of knowledge and a recommended minimum of two years' experience within the industry.



When attendees successfully complete BCM01-BCM03, they will be awarded with a Technical Certificate and with completion of BCM04-BCM06, they will be awarded with an Advanced Technical Certificate.

[www.sontay-academy.com](http://www.sontay-academy.com) : 01732 861200



## Notes



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