

NVlogiQ ...

...optimises the control of indoor air quality, thermal comfort and energy efficiency within a wide range of buildings.

Using innovative control and performance algorithms, developed in conjunction with Loughborough University's Building Energy Research Group, NVlogiQ provides advance monitoring and control of natural ventilation systems in individual rooms or zones.

In addition, the integral data logging capability presents a range of opportunities for consultants, contractors and facility managers to not only verify the performance of existing buildings, but also enable post occupancy evaluation.

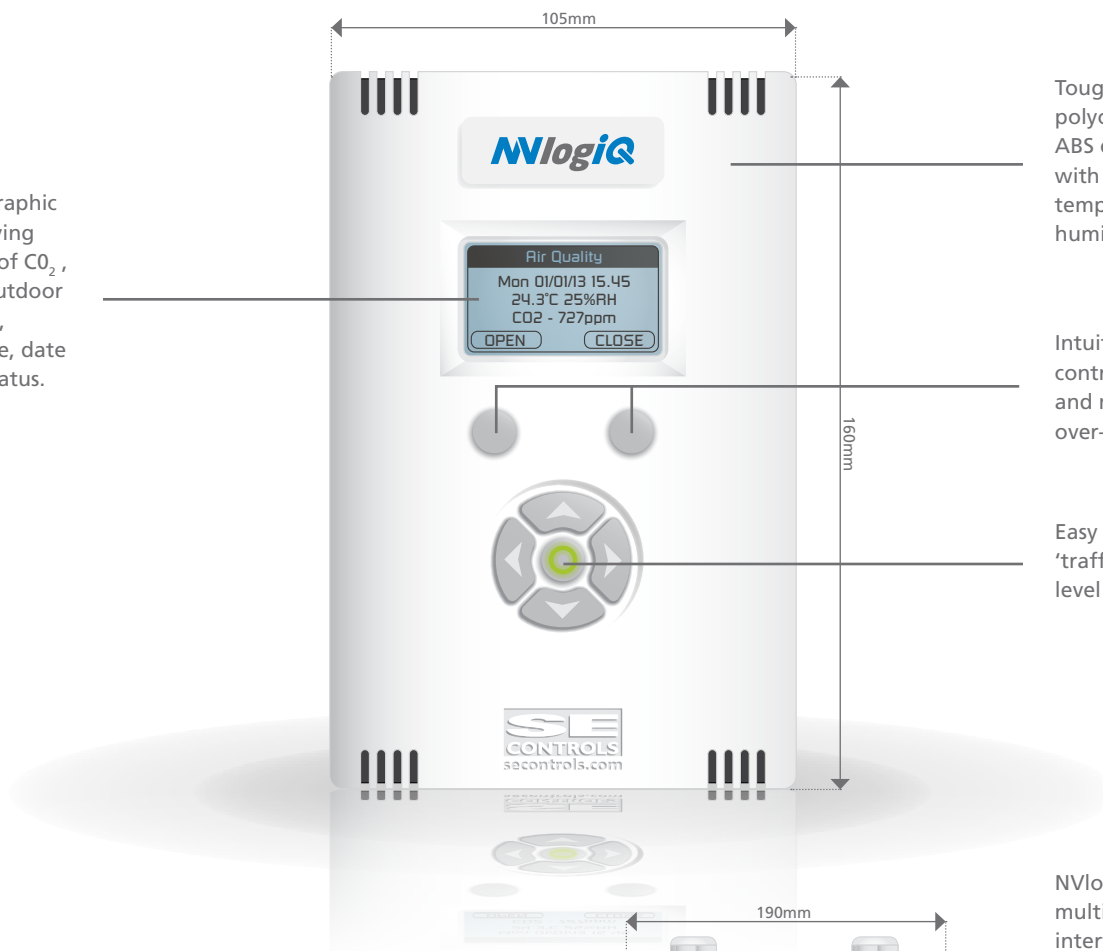
NVLogiQ's versatile design enables it to be used either as a stand-alone controller or as a networked solution throughout a building, making it ideally suited to classrooms, offices and other NV applications where both stimulating and comfortable environments are required.

Backlit LCD graphic screen displaying live readings of CO₂, indoor and outdoor temperatures, humidity, time, date and system status.

Tough, white polycarbonate ABS enclosure with integral CO₂, temperature & humidity sensors.

Intuitive menu control pad and manual over-ride buttons.

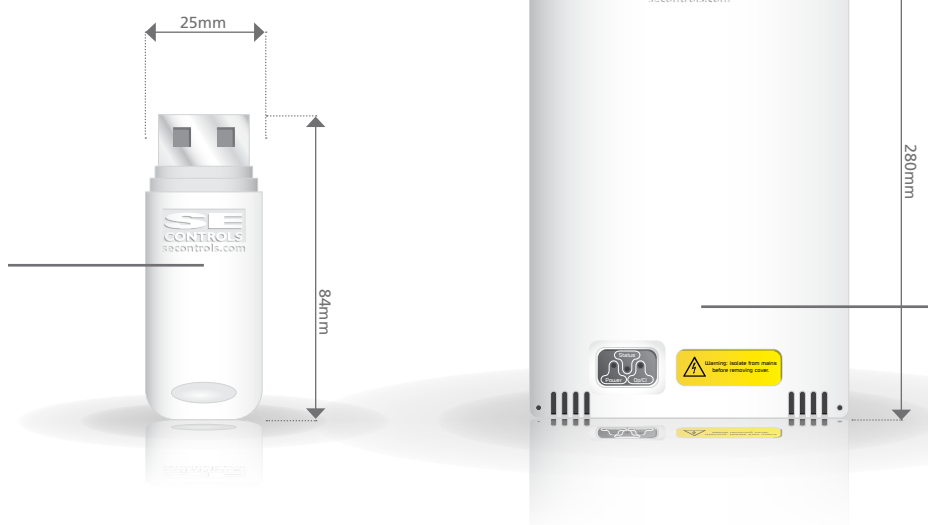
Easy to read 'traffic light' CO₂ level indicator.



NVlogiQ PSU with multiple connection interfaces and commissioning features.

NVlogiQ's compact data-stick enables system set up, access levels and security authorisation for engineers and general user control and facilitates transfer of data logging material.

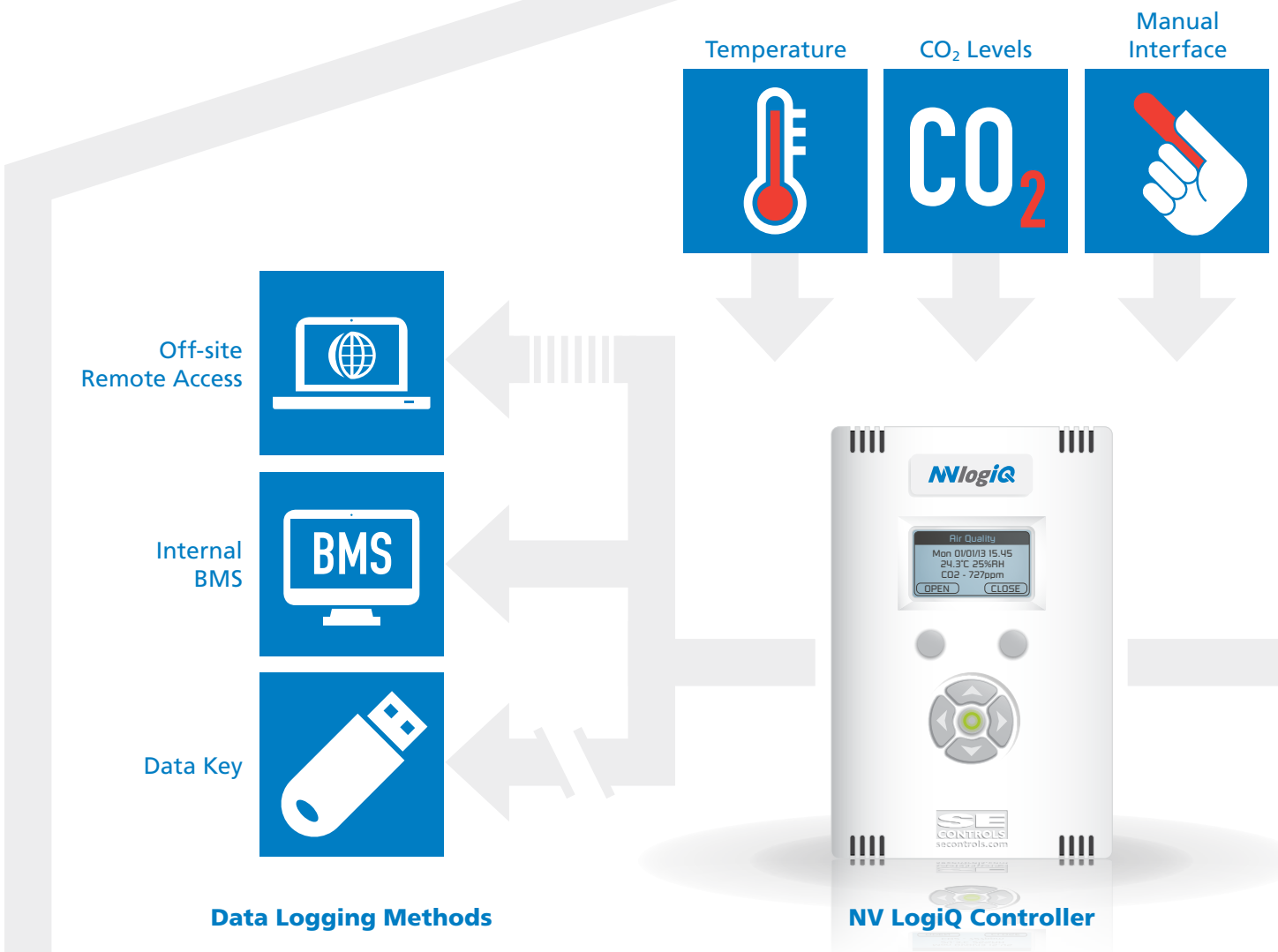
Tough, white polycarbonate ABS enclosure houses the power and interface module with LED status display.



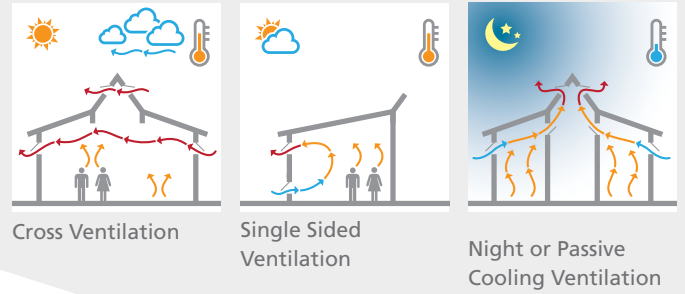
How it works...

NVlogiQ constantly monitors indoor air quality, temperature and humidity in individual rooms or zones.

By then applying innovative control algorithms, it automatically manages the operation of windows, louvres, rooflights and other powered vents in conjunction with heating & cooling systems to optimise indoor air quality and thermal comfort, while optimising energy efficiency.



Example Air Flow Building Solutions



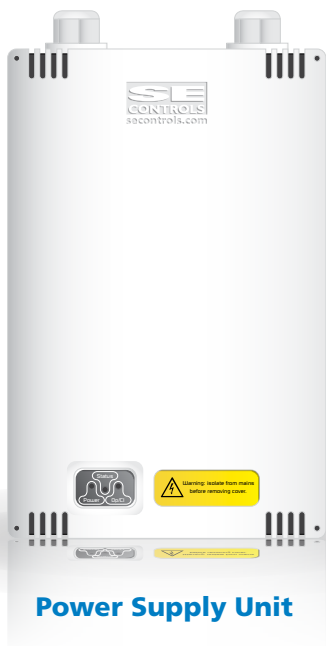
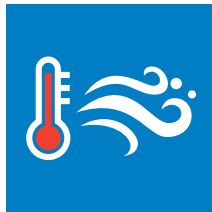
Obstruction
Sensors



Rain Sensors



Temperature /
Wind Sensor



Automatic
Opening
Vents



Fans &
Cooling



Heating
Systems

Automated Control Units

Tried, trusted & proven...



Specified

SE Controls' products are listed within NBS Plus.

NBS is the industry standard specification system that provides specifiers with technical information and guidance for our systems and solutions.



Compliant

The system strategies are designed in accordance with BB101 (internal environment for schools), CIBSE Guide A, BS EN 13779 and ECON 19.



Data

Pre and post occupancy data logging and analysis.

Data can be accessed offline to prove existing design and building performance while also aiding future NV system design development.

Easy choice?



Easy to fit

Concealed rear entry cable ports and compact design enables easy installation.

Simple 'plug & play' data stick port for system software or strategy upgrades.



Easy to use

Simple user interface, graphic display and menus help building occupants understand the system and enable easy manual adjustment if required.

An integral manual override provides incremental operation with a clear position display, allowing occupants to have temporary control if needed.



Easy to save

NVLogiQ's energy efficient strategies raise the game in indoor air quality (IAQ) and thermal comfort control, resulting in significant carbon emission reductions and improved cost saving opportunities.

With significantly reduced capital outlay, energy use and maintenance costs, adaptive natural ventilation is long established in building design and NVLogiQ leads the next generation of intelligent, compact and versatile solutions.




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