



Unity CV2GIP

Social Housing



Greenwood HumidiSMART™

A new and revolutionary way of using humidity levels to provide effective ventilation in domestic properties.

It's SMARTer because in contrast to traditional humidity sensors that activate because a pre-set threshold is crossed, Greenwood HumidiSMART™ only reacts to man-made increases. This is because it cleverly monitors the installed environment and knows what the 'normal ambient' humidity levels are on each individual day throughout the year.

Ventilation is therefore only ever on when it needs to be. Greenwood HumidiSMART™ helps to reduce nuisance running especially at night, unnecessary heat loss and energy usage because the fan isn't running in response to increases in background humidity which naturally occur throughout the day and with the changing seasons.



Greenwood TimerSMART™

A new logical approach to timer operation used in domestic ventilation fans.

It's SMARTer because in contrast to traditional timers that use a generic pre-set period for overrun time, Greenwood TimerSMART™ uses duration of occupancy time to determine overrun period.

This means that when compared to a traditional timer function, Greenwood TimerSMART™ can reduce unnecessary over-ventilation in properties. It can also help eliminate nuisance running (especially at night) and unnecessary heat loss and energy usage as well as helping reduce a home's carbon footprint.

SMART Technology by Greenwood is a fusion of sensors, controls and innovative design features that enable ventilation to work SMARTer for the home owner, the environment and the installer on-site.

SMART Technology has been designed so that it enables SMARTer results by;

- Being commissioned in the quickest time and most fuss-free way
- Working in harmony with the installed environment because it knows what the 'norm' is each day
- Generating extra efficiencies in running costs, energy usage and carbon emissions
- Operating effectively for a comfortable life indoors without nuisance running or unnecessary heat loss



Greenwood CarbonSMART™

Products that carry the Greenwood CarbonSMART™ label are SMARTer because they are designed and manufactured using very low energy consuming components. They also utilise the most efficient design, balancing watts and airflow performance in the most effective way.

All of the products can demonstrate tangible savings in running costs and energy usage when compared against standard alternatives.

Importantly the products are also Carbon Neutral. This means their inherent energy saving design has been further enhanced through a carbon-footprinting and minimising impact process. Once completed, the process is further enhanced through a selection of accredited carbon off-set projects located in Sudan, Chile and Turkey.



Greenwood CommissionSMART™

Greenwood CommissionSMART™ is an innovative control or design feature on a product that makes on-site set up and commissioning the easiest it can possibly be.

It's SMARTer because it utilises wireless or touch-pad technology in contrast to fiddly switches that can often be located in difficult to reach places on the unit. These can also often be difficult to access once the product is installed or if any changes need to be made.

Located at the front of a unit or via a hand-held device, Greenwood CommissionSMART™ technology can allow in room set up, especially beneficial with central systems.

Greenwood CommissionSMART™ technology is at the very core of assisting in the delivery of GIP and making the entire installation and commissioning process fuss-free.

SMART Technology Makes the SMARTest Fans

NEW

Unity CV2GIP

Unity CV2GIP offers the best of both worlds – designed to please social housing landlords and tenants alike. Leading again following the first introduction of a dMEV fan in the UK, this ground-breaking and truly class-leading product delivers;

- The least possible energy usage – using as little as 1.1 watt in operation
- The quietest running noise – as low as 10dB in trickle mode
- The lowest running costs per year – equivalent to just over the cost of two branded cans of baked beans!
- Risk-free specification for Decent Homes and ongoing maintenance programmes
- SMART Technology that means ventilation is only boosting when it is needed – helping reduce energy consumption and unnecessary heat loss throughout the property



Unity CV2GIP is one of Greenwood's GIP Products. Find out more about GIP products at www.greenwood.co.uk/GIP

Greenwood CarbonSMART™

Unity CV2GIP is a Greenwood CarbonSMART™ product that has been designed and manufactured using very low energy consuming components and utilises the most efficient overall design. This results in a product that effectively balances watts (running costs) and airflow performance (Regulation compliance) for tenants in the best way for the internal and external environment.

All of Greenwood CarbonSMART™ products can demonstrate tangible savings in running costs and energy usage when compared against standard alternatives.

Importantly the products are also **Carbon Neutral**. This means, their inherent energy saving design has been further enhanced through a carbon-footprinting and minimising process. Through our commitment to reducing carbon emissions, they are then further enhanced through accredited carbon off-set projects in Sudan, Chile and Turkey.



Discreet Compact Design

Lowest Running Costs and Maintenance

Unity CV2GIP has been designed to work effectively in tenants homes without high running costs. As the most efficient, 'one fan fits all' product, on the market, it has the lowest running costs whilst still providing airflow in line with the latest Regulation requirements.

Thanks to the SMART Technology – Greenwood HumidiSMART™ and Greenwood TimerSMART™, Unity CV2GIP will only run at boost when it needs to - working specifically with the installed environment and not because of a generic pre-set point. This helps further reduce nuisance running and reduces heat loss throughout the year.

It's filterless design and unique backward curved impellor blades also provide the best protection against build up of dirt which traditionally affects airflow performance and most importantly running noise.

One Fan, Any Room

Unity CV2GIP is perfectly rounded to deliver a total solution in one box. For bathrooms, WC's or kitchens, in apartments or houses, for the wall or ceiling, you can be assured that Unity CV2GIP is designed to comply with Regulations each and every time.

Unity CV2GIP offers the most economical and rewarding ventilation strategy for design, SAP Assessment and installers alike as there are no requirements for differing fan specifications or the need for design and installation of whole housing ducting.

Adjustable for Each Home

Insulation levels, occupancy numbers and individual's lifestyles all impact on the way in which homes are lived in. As a home's efficiency levels are improved with new glazing and wall and roof insulation, ventilation becomes a crucial part of providing a comfortable life indoors.

Unity CV2GIP has been designed to work in harmony with each installed environment. With an innovative 100% adjustable airflow feature, ventilation can be tailored to each home. The airflow can be easily adjusted during or post installation and once this is completed the settings are locked and can't be further adjusted by tenants.



Unique 'Stay Open' Hinge



Greenwood CommissionSMART™ - Innovative Touch-Pad



Fuss-Free Installation

The installer has been kept firmly in the forefront whilst designing Unity CV2GIP. The patented self-locating 'Twist-Lock' front fascia simply turns for removal. On the inside, screws can be undone but stay in place when you use the innovative 'stay open' internal hinge for easy wiring access. This means no need to hold or put down screws and covers - keeping everything within easy reach of the installer.

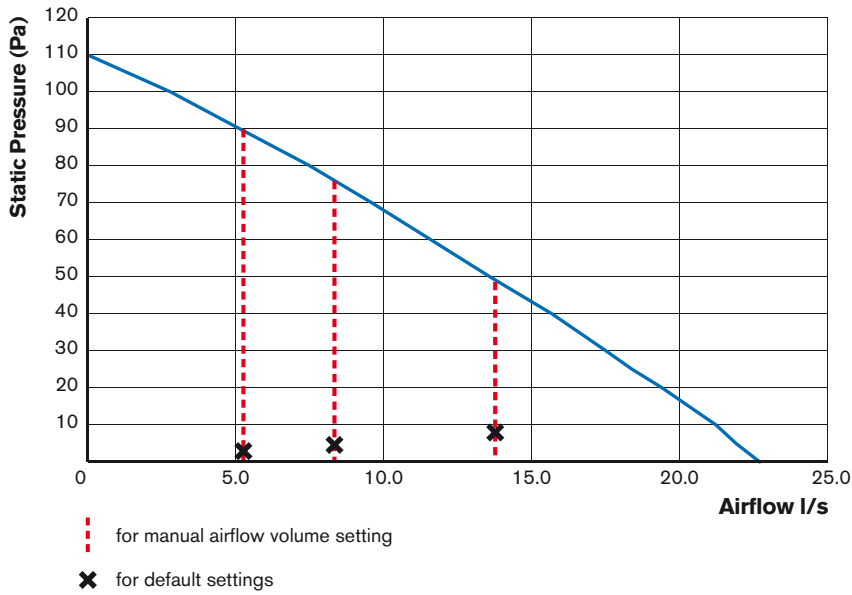
Greenwood CommissionSMART™

Greenwood CommissionSMART™ control technology is featured on Unity CV2GIP. Its objective is to deliver the fastest, SMARTest and most accurate set up and commissioning process for a product of its kind.

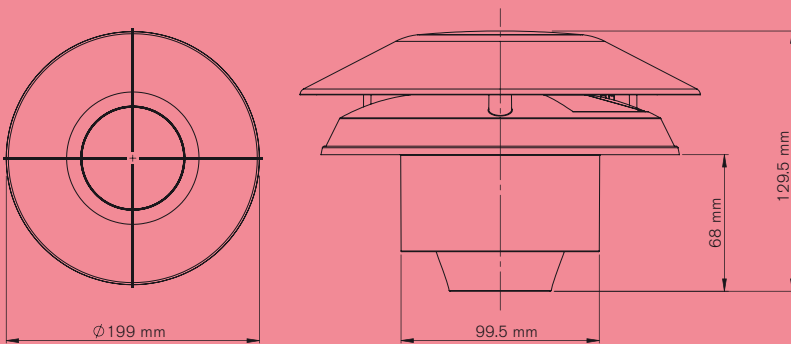


Through an innovative, patented touch-pad, airflow settings and automatic control options can be easily set-up. Pre-set default airflow settings can be adjusted through the unique 100% variable airflow function designed to assist in the delivery of GIP. New innovative SMART controls Greenwood HumidiSMART™ and Greenwood TimerSMART™ can also be turned on. The touch-pad replaces fiddly switches and wires often located in difficult to access places on existing fans.

Performance



Dimensions



Performance Settings

Unity CV2GIP One Fan, Any Room	Airflow Performance l/s		Energy Consumption W		Sound Pressure level @ 3m dB(A)
	Bathroom (default)	Kitchen (default)	Minimum	Maximum	
Trickle Speed	5	8	1.1	4.1	10.1
Boost Speed	8	13			23.5
Max	23				

Unity CV2GIP is IPX4 Rated

Physical Specification and Installation

Wiring:	Must comply with IEE Regulations
Fuse:	3 amp normally required (when fan is supplied from a 6A lighting circuit no local fuse is required)
Finish:	Satin Finish
Material:	ABS
Electrical Specification:	220-240V ~ 50Hz Class II
Consumption:	Min 1.1W - Max 4.1W

Unity: Environmental

Ancillaries

- SP13** PVC round pipe 100mm Ø x 350mm.
- EG1** Complementary fixed blade louvred grille in semi-matt ABS plastic, UV stabilised. Choice of white or brown grille.
- GD8** Modular light weight PVC ducting system.
- GG42** External louvred wall vent available in white or brown.
- Flexiduct** Flexible 100mm PVC and aluminium ducting.

Compare the Efficiency of Unity CV2GIP

1. Two cans of branded baked beans

Total cost of 2 cans £1.50



equivalent to 1 Unity CV2GIP

2. 1000W Microwave

Using for 15mins per day costs £12.73 pa



equivalent to 8 Unity CV2GIP's

3. 32 inch LCD TV

Viewing for 6 hours per day costs £29.06pa



equivalent to 19 Unity CV2GIP's

4. Leading brand game console

Playing for 2 hours usage a day costs £38.75



equivalent to 26 Unity CV2GIP's

5. 9Kw electric shower

Running for 10 mins per day costs £80.73



equivalent to 54 Unity CV2GIP's

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