Greenwood TimerSMART[™]



A new and logical approach to using a timer for operation of domestic ventilation fans and whole house systems.

Potential savings Why is it SMARTer? In contrast to traditional timers that use a generic pre-set period for overrun time, Greenwood Potential Potential Potential TimerSMART™ uses duration of savings savings savings occupancy time to determine the duration of the overrun period. A traditional timer works on a pre-set overrun period each time the light or remote switch activates Fimer Duration (Minutes) 15.01min and over the fan into boost mode e.g. 20 mins. 15 min overrun will be applied Greenwood TimerSMART™ will overrun the fan based on occupancy duration, therefore only ventilating as much as is needed e.g. the less 10.01-15.00mins time you activate the fan via the 10 min overrun light switch or pull cord, the less will be applied time it will overrun when you turn the fan off again. The association between duration No overrun timer 5.01-10.00mins of overrun timer and occupancy (with continuously running fan models) 5 min overrun will be applied ensures a SMARTer control of ventilation. In turn this helps to reduce unnecessary energy The overrun timer is activated once the fan is switched on or boosted (usually via light switch). Once the wastage and heat loss and most light switch is turned OFF the overrun timer will run the fan in line with its setting. Greenwood TimerSMART™ does this in the SMARTest and most efficient way... importantly eliminating nuisance night time running! 5 10 15 20 25 30 35

How does this compare?

	Traditional timer		Greenwood TimerSMART™ (Unity CV2GIP)
Total running time of fan in normal boost mode via light/remote switch	90 mins		90 mins
Total overrun duration	120 mins		40 mins
Running costs (Pa) based on scenario	<0.5 W/I/s	£1.97-£7.39	£1.64
	>0.5 W/I/s	£7.04-£12.65	

Savings in total running costs demonstrated. Savings in **heat loss** and **nuisance running** all contribute to occupant and tenant lifestyle.

Comparison Scenario

Occupancy Duration

- Single dwelling
- Light switch activated 6 times in 24 hour period (2 at 30 minutes, 2 at 10 minutes, 2 at 5 minutes)
- Traditional overrun timer set at generic 20 minute intervals
- Greenwood TimerSMART™ based on occupancy duration

All comparisons based on continuously running fan models.

Based on this scenario you could make savings from 17% on running costs, therefore directly contributing to reducing carbon footprints in homes.