

# Greenwood TimerSMART™



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

## Why is it SMARTer?

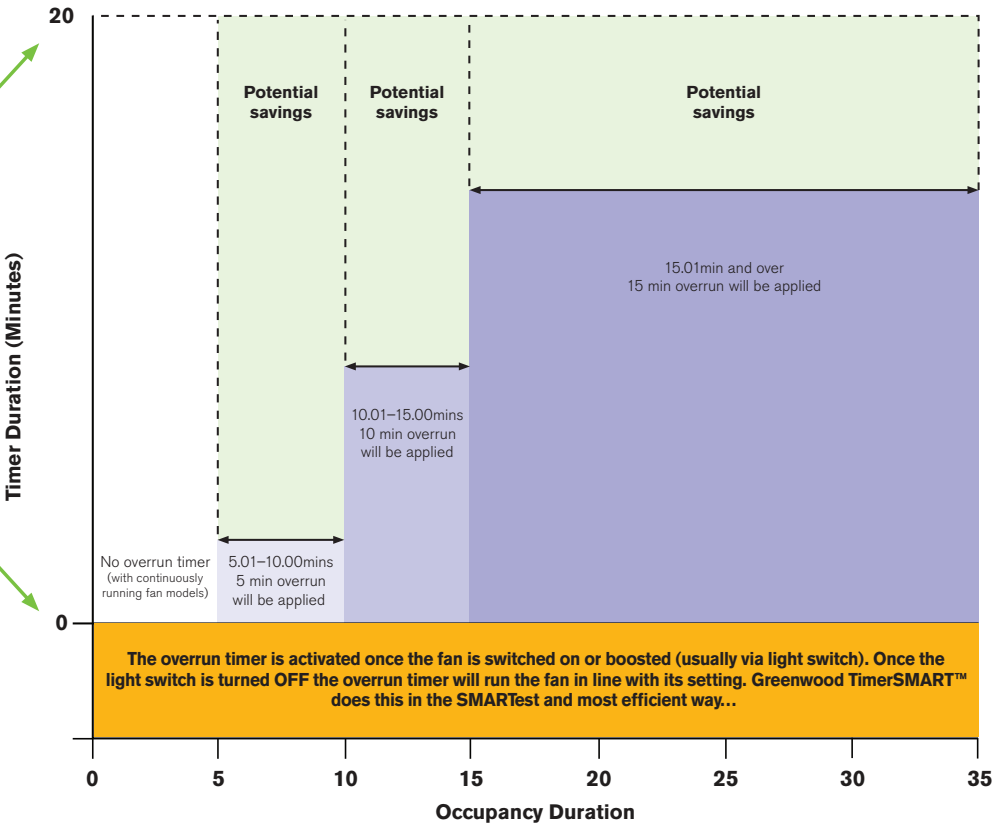
In contrast to traditional timers that use a generic pre-set period for overrun time, Greenwood TimerSMART™ uses duration of occupancy time to determine the duration of the overrun period.

A traditional timer works on a pre-set overrun period each time the light or remote switch activates the fan into boost mode e.g. 20 mins.

Greenwood TimerSMART™ will overrun the fan based on occupancy duration, therefore only ventilating as much as is needed e.g. the less time you activate the fan via the light switch or pull cord, the less time it will overrun when you turn the fan off again.

The association between duration of overrun timer and occupancy ensures a SMARTer control of ventilation. In turn this helps to reduce unnecessary energy wastage and heat loss and most importantly eliminating nuisance night time running!

## Potential savings



## How does this compare?

| Traditional timer                                                      |            | Greenwood<br>TimerSMART™<br>(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/l/s | £1.97–£7.39                                |
|                                                                        | >0.5 W/l/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

- 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.**