

Energy Saving Mode

Optimize energy consumption

What is Energy Saving Mode?

With the Energy Saving Mode Hotraco Agri provides an extremely efficient control software for variable speed fans. One of the major advantages is the ability to reduce the power consumption (kWh) by automatically adjusting the speed of the fans, maintaining optimal performance while minimizing energy cost. This extra module is available for all Hotraco poultry controllers independent from the type or brand of the variable speed fan.

The Energy Saving Mode is particularly interesting in climates with a high ventilation demand. The ventilation concepts in these areas often make use of a large amount of bigger fans with relatively high power consumption. This module allows to run such fans at lower speeds resulting in significant energy saving.

The back of this flyer explains how the Energy Saving Mode works and how it can help you save up to 36% of your energy consumption and more. By projecting this energy saving over a period of 10 years, serious cost reduction can be achieved, as shown in the graph below.

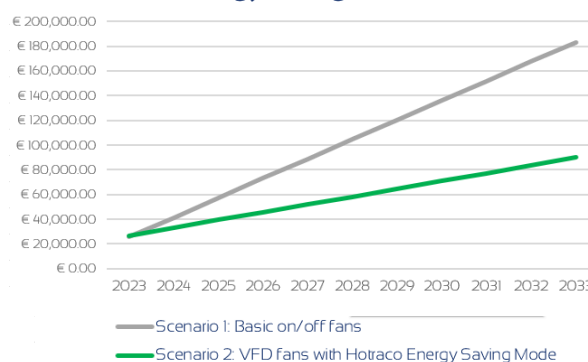
How much can you save?

(more scenario details at the back)

	Power Consumption*	Energy saving
Scenario 1: Basic on/off fans	63,000 kWh	N/A
Scenario 2: VFD fans with Hotraco's Energy Saving Mode	40,300 kWh	>36%

*Power consumption calculated over real case scenario based on 1 year with 6 flocks of 42 days using 10 fans

Energy Saving Over Time



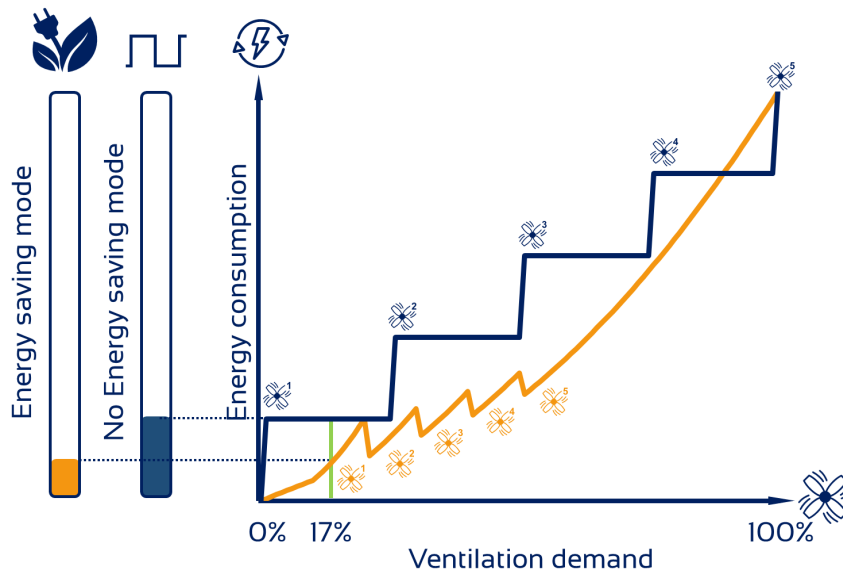
Key benefits:

- Significant energy savings
- Smooth airflow curve
- Less fan wear
- Compatible with latest fan technology (0-10V)
- Controlled by Fortica and Antares



How does Energy Saving Mode work?

By running the fans at a lower speed, you can save a lot of energy and reduce your costs compared to traditional on/off fans. This is especially true in the low ventilation range, where the energy consumption is much lower than normal.



The energy mode is designed to optimize your fan performance and energy efficiency. It will progressively start more and more fans at the lowest possible speed, and then, once they are all on, the module will gradually increase fan speed for all of them as the ventilation demand increases.

Controlling fans with the Hotraco Energy Saving Mode will reduce energy consumption significantly, depending on climates and ventilation concepts.

