



Optimal Ventilation Machine Power Control with the IOTSU® IMPACT Solution

IOTSU® IMPACT allows to adjust power of the ventilation based on actual demand. The need is driven be the cloud service based on carbon dioxide and humidity content of the indoor air. The cloud service uses an IoT connection to transmit control commands to the IOTSU® IMPACT device where it forwards them as an analogue 0–10 V V signal to the ventilation unit.

Solution Features:

- 0–10 V analogue control for ventilation unit.
- Connected to the ventilation unit's terminal block.
- The control value is generated in the cloud.
- Solution receives control values from the cloud and changes ventilation as needed.
- Can be extended by collecting data from other external sensors and actuators.



Control output:	0–10 V analogue voltage.
Control logic:	Carried out in the cloud.
Connection:	Ventilation unit's terminal block.
Power supply:	24 V, with battery backup.
Network connection:	Wireless NB-IoT network.

IOTSU® IMPACT N12 solution can be extended with additional services. We deliver complete package with Ready-to-go solution if needed. See next page for additional services.





Company: Small Data Garden Oy
Product name: IOTSU® IMPACT N12
Rev: 1.2b_14thApr 2025

Expand Your Solution with Additional Services:

Real time Remote Monitoring and Alerts

Measurement data can be analysed and visualised clearly with IOTSU® Cloud solution in real time. Web based service operates without software installation. The service provides graphs and history data and with ability to set alarm thresholds and control commands. You can create new users and reports from a selected period.



Reliable and Secure Connection in Elisa's Network

Our solution operates with the IoT-connection provided by Elisa which guarantees reliable and secure data transmission. Elisa's network has extensive coverage across Finland and is suitable for demanding needs.. In addition, Elisa's has broad international network of roaming partners in Sweden and other countries.



Pre-configured Device Solution

We can configure devices to your exact requirements with the measuring heads, cables and SIM cards installed and with settings programmed at our factory. This will significantly speed up deployment and reduce installation work at the site.



Need all this Ready to Go?

Choose Ready-to-go package where device, connection and visualisation create seamless package. You don't need to worry about configuring, installing or connecting. We provide whole solution ready for use.