Energy Technology List

Product application checklist

Please complete in BLOCK CAPITALS

HVAC Building Controls

Manufacturer/supplier name: _____

Applicant's name: _____

Telephone number: _____

Product information

Product name: _____

Model number: _____

Please complete each section of this form based on your product's characteristics. Incomplete or incorrect data could affect the processing of your product application.

Each product application should be made on a separate form unless a product's design characteristics are common to all the products. In this instance a single application can be made for multiple products.

1.	Product certification	No	Yes
1.1	**Does the product conform to the requirements of the Electromagnetic Compatibility Regulations 2016?**		
1.2	**Does the product have an appropriate Conformity Assessment mark?**		
1.3	**Does the product control other forms of ETL listed equipment types (i.e. lighting, automatic monitoring and targeting, refrigeration or compressed air equipment) or integrated in motors, pumps, fans and variable speed drives?**		

2.	Product type	No	Yes
2.1	**Does the product incorporate a microprocessor-based controller that is programmed to automatically control the individual environmental conditions in one or more zones within a building, reflecting the occupation status or the level of activity in each zone?**		
2.2	**Is the product able to automatically control the operation of the equipment:**		
	a) Heating and/or cooling the zones being controlled		
	b) Ventilating and/or air quality of the zones being controlled.		
2.3	**Which of the following zone operating modes is the product designed to have:**		
	a) A "normal/comfort" operating mode where zone environmental conditions are maintained within predefined levels consistent with zone occupation or a high level of activity in the zone.		
	b) An "economy/standby" mode where zone environmental conditions are maintained at reduced levels to reflect, for example, the fact that the zone is unoccupied, or a reduced level of activity in the zone or		
	c) An "off" mode where the zone heating, cooling, ventilation and air-conditioning is switched off or operated solely for fabric, frost and equipment protection.		

2.	Product type (continued)	No	Yes

2.4 Does the product incorporate an anti-tampering mechanism that prevents the product's control strategy and configuration settings from being modified, and automatic control from being disabled, except during commissioning, maintenance or testing?

2.5 Does the product include any feature allowing for building users to adjust temperature and/or ventilation settings in their zone to be only on a temporary basis?

2.6 Do products automatically reset user adjustments, either after a pre-defined time interval (which may be fixed or defined by the building manager) or at the next scheduled switching time?

2.7 Please confirm the following:

   a) If the product is controlling an Electrical Lighting Equipment, is adhering to the Lighting Controls ETL eligibility criteria

   b) If the product is controlling Automatic Monitoring and Targeting Equipment, is adhering to the Automatic Monitoring & Targeting (aM&T) Sub-metering Systems ETL eligibility criteria

   c) If the product is controlling Commercial Refrigeration Equipment, is adhering to the Refrigeration System Controls ETL eligibility criteria

   d) If the product is controlling Two or more air compressors, is adhering to the Master Controllers ETL eligibility criteria

3.	Product performance	No	Yes

3.1 Does the product conform with the EN 15500 criteria, detailing control accuracy and control setpoint deviation values?

3.2 Please confirm the following:

   a) If the product is controlling an Electrical Lighting Equipment, is adhering to the Lighting Controls ETL eligibility criteria

   b) If the product is controlling Automatic Monitoring and Targeting Equipment, is adhering to the Automatic Monitoring & Targeting (aM&T) Sub-metering Systems ETL eligibility criteria

   c) If the product is controlling Commercial Refrigeration Equipment, is adhering to the Refrigeration System Controls ETL eligibility criteria

   d) If the product is controlling Two or more air compressors, is adhering to the Master Controllers ETL eligibility criteria

   e) If the products which are integrated (i.e. factory assembled) into motors, pumps, fans and variable speed drives, controllers also meet the relevant ETL criteria for the associated product.

3.3 Does the product comply with the following relevant requirements for particular type of zone control and type of HVAC plant controlled, as set out in Table 1.1 to Table 1.7 of the ETL criteria?

   a) Control zone temperature (see Table 1.1).

   b) Control zone ventilation rate or air condition (see Table 1.2).

   c) Control based on zone occupation status or level of activity (see Table 1.3).

   d) Control based on zone occupation schedules (see Table 1.4).

   e) Control centralised HVAC plant (see Table 1.5).

   f) Control wet heating systems (see Table 1.6).

   g) Controls for workstation ventilation (see Table 1.7).

4. Summary of documents to be included | No | Yes

Please send ONE copy of each of the following documents:

If the relevant information in support of the questions above is contained within a larger document, please indicate the location of the relevant information. Note that all documentation submitted must directly refer to the model numbers for which you are making this application. Documentation should be added to your online application at https://etl.beis.gov.uk/engetl/fox/live/ETL_LOGIN/login

a) A technical sales brochure or leaflet for the product clearly summarising:

    i) The key features of the product (ideally including photographs of the product's exterior).

    ii) The product's operation (i.e. in-built functionality) and intended applications (i.e. usage).

    iii) Any product selection options (including optional extras, alternative configurations etc.).

This documentation should contain sufficient detail to enable the assessor to confirm that the proposed entry on the Energy Technology List (ETL) is correct, and uniquely represents a single product of fixed design (as defined by the rules of the ETL Scheme). If the model names contain any 'wildcards' in respect of cosmetic variations please check with ETL Questions that this is permitted before submitting your application.

b) A technical specification for the product, including:

    i) Details of the model numbers covered (including individual features of each model).

    ii) The product's design ratings (electrical, mechanical, thermal, flow rates, energy use etc.).

    iii) A description of how to install the product including connection/wiring diagrams. Where the product must be assembled, configured and/or commissioned on site before use, please include instructions.

This documentation should contain sufficient detail to enable the assessor to confirm that each product entry on the Energy Technology List (ETL) has the design features specified in the eligibility criteria for that category of product. Please indicate on the checklist where information on specific design features is located in the documentation.

c) Please ensure that this documentation includes details of:

    i) The product's control input/output signals, and requirements for sensors or control valves.

    ii) The product's automatic control strategies, mechanisms, and configuration settings.

d) Evidence that the product meets the performance criteria, including:

    i) Evidence of conformity with the EN 15500 criteria, detailing control accuracy and control setpoint deviation values.

e) A Declaration of Conformity with UK/EU Directives on product safety, including one of the following:

    i) An appropriate Conformity Assessment mark.

    ii) Electromagnetic Compatibility Regulations 2016.

f) Evidence that a quality assurance system/procedures is/are in place to:

    i) Control the specification, design, manufacturing and testing of the products.

g) Signed application checklist.

Please note that all product documentation provided must be written in, or translated into, English.

5.	**Declaration**

I confirm that the information given above is correct to the best of my knowledge and that I have read and agree to the terms and conditions governing the management of the Energy Technology List.
A copy of the terms and conditions can be found at www.gov.uk/guidance/energy-technology-list.

Signature: _____   Date: _____

For more information:

Web:
https://etl.beis.gov.uk/

Phone:
+44 20 3096 4800

Email:
info@etl.beis.gov.uk

Post:
Energy Technology List Coordinator
ICF
Riverscape
3rd Floor 10 Queens Street Place
London
EC4R 1BE

The above checklist has been created as per the product application criteria set by UK Government's The Energy Technology List (ETL). ICF, its agents, contractors and sub-contractors accept no responsibility for any accuracy, error or omission of the information contained in the checklist and neither does it accept any liability for the information provided by the applicant. It is the sole responsibility of the applicant to ensure the information it provides is accurate and true to the best of their knowledge.

The information provided in this checklist is for product listing requirements. For further information about our Privacy Policy, please refer to the BEIS' Privacy Policy for ETL, read more.

ICF Consulting Services Ltd is a private limited company, registered in England and Wales under Company Number 04161656 with its Registered Office at: Riverscape, 10 Queen Street Place, London, England, EC4R 1BE. The Energy Technology List (ETL) is run by ICF on behalf of Government.

ETL709 v2