Energy Technology List

Product application checklist

Please complete in BLOCK CAPITALS

Master Controllers

Manufacturer/supplier name: .....

ETL licence number (if applicable): .....

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 have an appropriate Conformity Assessment mark?**	☐	☐
1.2	**Does your product conform to the requirements of the EU EMC Directive 2014/30/EC, in respect of its design, manufacture and testing procedures?**	☐	☐

2.	Product features	No	Yes
2.1	**Is the product able to control:**		
	a) At least two air compressors?	☐	☐
	b) Both fixed speed and variable speed compressors?	☐	☐
	c) Any positive displacement compressor that is capable of accepting a remote load/unload control signal via a volt-free switching circuit or electromechanical pressure switch, or in the case of variable speed drives: capable of accepting a speed control signal or a remote pressure set point adjustment?	☐	☐
	d) Control any air compressor, regardless of compressor manufacturer?	☐	☐
2.2	**Does the product incorporate:**		
	a) A microprocessor based controller?	☐	☐
	b) An anti-tampering mechanism (for example password protection) that prevents automatic control from being disabled, except during commissioning, maintenance or testing?	☐	☐
	c) A pressure transducer that has a measurement accuracy of at least (i.e. ≤ +/- 0.5% of full scale across its rated operating pressure range and across a rated temperature range of -25 to 80°**C**?	☐	☐
	d) Automatic control algorithms that monitor rate of change in system air pressure/flow and prevent compressors from being brought on load or unloaded in response to small fluctuations in demand?	☐	☐

2.	Product features (continued)	No	Yes
2.3	**Is the product pre-programmed to provide the facilities for users to:**		
	a) Prioritise the use of more efficient compressors over less efficient ones, whilst making optimal use of any variable speed compressors being controlled (including optimal efficiency of variable speed compressors)?	☐	☐
	b) Schedule the times of the week (to within 5 minutes) when the compressed air system should be switched on and off, and be operated at a reduced pressure?	☐	☐
	c) Schedule at least two different operating pressures for the compressed air system (to enable, for example, operation at lower pressure at off peak times)?	☐	☐
	d) Define the minimum and maximum limits for the operating pressure (or pressure band) that the controller must maintain the compressed air system within?	☐	☐
2.4	**Is the product capable of automatically regulating the operating pressure of the compressed air system (where all compressors in the system are situated at a single location), based on the output of a single pressure transducer, to within +/-0.1 bar of the operating pressure set-point, as air demand varies in 60 seconds between 10% and 100% of the maximum combined, continuous, rated output of air compressors being controlled?**	☐	☐

3.	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 Product List (ETPL) is correct, and uniquely represents a single product of fixed design (as defined by the rules of the ETL). 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 ETPL 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. ☐
- iii) The anti-tampering mechanism used to prevent automatic control from being disabled. ☐

d) A Declaration of Conformity with UK/EU Directives on product safety, including:

- i) An appropriate Conformity Assessment mark. ☐
- ii) EMC Directive 2014/30/EMC. ☐

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

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

f) Signed application checklist. ☐

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

7. 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

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