EU Compliance Information

In accordance with EN ISO 52120-1:2022

As an aid for the professional installer, Airzone compiles in this declaration the relevant functions that it adds to the installed BAC system.

The professional installer is responsible for the operation of the BAC system in the building and must certify compliance with the class according to EN ISO 52120-1:2022 of the complete BAC system.

Airzone's relevant functions reach at least **class B** according to EN ISO 52120-1:2022 on the specific functions detailed in the section "Function list and assignment to BAC efficiency classes".

Unique Identifier: **Airzone**

Models:

Flexa 25	**Easyzone 25**	**Flexa 4.0**
Innobus Pro8	**Flexa 3.0**	**Innobus Pro6**
Easyzone	**Easyzone IAQ**	**ZS6**
Acuazone	**Innobus Pro32**	**VAF**

Company information:

- Manufacturer's name: Corporación Empresarial Altra S.L.
- Trademark: Airzone
- Address: C/ Marie Curie, 21 (29590), Málaga, Spain
- Telephone number: 0034 900 400 445

Regulatory information:

The object of the declaration described above is in conformity with the following Directives:

Description and Standards
Directive (EU) 2024/1275 – EPBD (Energy Performance of Building Directive) – EN ISO 52120-1:2022 → BAC efficiency class = B (Cooling and Heating control)

Function list and assignment to BAC efficiency classes:

In column 1, the relevant functions for the installed BACS are marked with a "+". In column 1 the processing function is marked with an "×" for each relevant function.

				Definition of classes							
				Residential				Non residential			
				D	C	B	A	D	C	B	A
Automatic control											
	1		Heating control								
+	1.1		Emission control								
			The control function is applied to the heat emitter (radiators, underfloor heating, fan-coil unit, indoor unit) at room level; for type 1 one function can control several rooms.								
		0	No automatic control	×				×			
		1	Central automatic control	×				×			

		2	Individual room control	×	×			×	×		
×		3	Individual modulating room control with communication	×	×	×	×(a)	×	×	×	×(a)
		4	Individual modulating room control with communication and occupancy detection (not applied to slow reacting heating emission systems, e.g. floor heating)	×	×	×	×	×	×	×	×
	1.2	Emission control for TABS (heating mode)									
		0	No automatic control	×				×			
		1	Central automatic control	×	×			×	×		
		2	Advanced central automatic control	×	×	×		×	×	×	
		3	Advanced central automatic control with intermittent operation and/or room temperature feedback control	×	×	×	×	×	×	×	×
+	1.3	Control of distribution network hot water temperature (supply or return)									
		Similar function can be applied to the control of direct electric heating networks									
		0	No automatic control	×				×			
		1	Outside temperature compensated control	×	×			×	×		
×		2	Demand based control	×	×	×	×	×	×	×	×
	1.4	Control of distribution pumps in networks									
		The controlled pumps can be installed at different levels in the network.									
		0	No automatic control	×				×			
		1	On off control	×	×			×	×		
		2	Multi-stage control	×	×	×		×	×	×	
		3	Variable speed pump control (pump unit (internal) estimations)	×	×	×	×	×	×	×	×
		4	Variable speed pump control (external demand signal)	×	×	×	×	×	×	×	×
	1.4a	Hydronic balancing heating distribution (including contribution to the balancing to the emission side)									
		Hydronic balancing is applied to an emitter or a group of heat emitters greater than 10.									
		0	No balancing	×				×			
		1	Balanced statically per emitter, without group balance	×	×			×			
		2	Balanced statically per emitter, and a static group balance	×	×			×			
		3	Balanced statically per emitter and dynamic group balance	×	×	×		×	×		
		4	Balanced dynamically per emitter	×	×	×	×	×	×	×	×
+	1.5	Intermittent control of emission and/or distribution									
		One controller can control different rooms/zones having same occupancy patterns.									
		0	No automatic control	×				×			
		1	Automatic control with fixed time program	×	×			×	×		
		2	Automatic control with optimum start/stop	×	×	×		×	×	×	
×		3	Automatic control with demand evaluation	×	×	×	×	×	×	×	×
	1.6	Heat generator control (combustion and district heating)									
		0	Constant temperature control	×				×			
		1	Variable temperature control depending on outside temperature	×	×			×	×		
		2	Variable temperature control depending on the load	×	×	×	×	×	×	×	×

+	1.7	Heat generator control (heat pump)										
		0	Constant temperature control	×				×			
		1	Variable temperature control depending on outside temperature	×	×			×	×		
×		2	Variable temperature control depending on the load	×	×	×	×	×	×	×	×
	1.8	Heat generator control (outdoor unit)										
		0	On/off-control of heat generator	×				×			
		1	Multi-stage control of heat generator	×	×	×		×	×	×	
		2	Variable control of heat generator	×	×	×	×	×	×	×	×
	1.9	Sequencing of different heat generators										
		0	Priorities only based on running time	×				×			
		1	Control according to fixed priority list	×	×			×	×		
		2	Control according to dynamic priority list	×	×	×		×	×	×	
		3	Control according to prediction based dynamic priority list	×	×	×	×	×	×	×	×
	1.10	Control of thermal energy storage (TES) operation										
		0	Continuous storage operation	×				×			
		1	2-sensor charging of storage	×	×	×		×	×	×	
		2	Load prediction-based storage operation	×	×	×	×	×	×	×	×

				Definition of classes							
				Residential				Non residential			
				D	C	B	A	D	C	B	A
			Automatic control								
	3	Cooling control									
+	3.1	Emission control									
		The control function is applied to the emitter (cooling panel, fan-coil unit or indoor unit) at room level; for type 1, one function can control several rooms.									
		0	No automatic control	×				×			
		1	Central automatic control	×				×			
		2	Individual room control	×	×			×	×		
×		3	Individual modulating room control with communication	×	×	×	×(a)	×	×	×	×(a)
		4	Individual modulating room control with communication and occupancy detection (not applied to slow reacting cooling emission systems, e.g. floor cooling)	×	×	×	×	×	×	×	×
	3.2	Emission control for TABS (cooling mode)									
		0	No automatic control	×				×			
		1	Central automatic control	×	×			×	×		
		2	Advanced central automatic control	×	×	×		×	×	×	
		3	Advanced central automatic control with intermittent operation and/or room temperature feedback control	×	×	×	×	×	×	×	×
+	3.3	Control of distribution network chilled water temperature (supply or return)									

		Similar function can be applied to the control of direct electric cooling (e.g. compact cooling units, split units) for individual rooms.									
		0	No automatic control	×				×			
		1	Outside temperature compensated control	×	×			×	×		
×		2	Demand based control	×	×	×	×	×	×	×	×
	3.4	Control of distribution pumps in networks									
		The controlled pumps can be installed at different levels in the network.									
		0	No automatic control	×				×			
		1	On off control	×	×			×	×		
		2	Multi-stage control	×	×	×		×	×	×	
		3	Variable speed pump control (pump unit (internal) estimations)	×	×	×	×	×	×	×	×
		4	Variable speed pump control (external demand signal)	×	×	×	×	×	×	×	×
	3.4a	Hydronic balancing cooling distribution (including contribution to the balancing to the emission side)									
		Hydronic balancing is applied to a group of cooling emitters (cooling panel, fan-coil unit or indoor unit) greater than 10, in addition to static balancing at individual cooling emitters.									
		0	No balancing	×				×			
		1	Balanced statically per emitter, without group balance	×	×			×			
		2	Balanced statically per emitter, and a static group balance (e.g. with balancing valve)	×	×			×			
		3	Balanced statically per emitter and dynamic group balance	×	×	×		×	×		
		4	Balanced dynamically per emitter	×	×	×	×	×	×	×	×
+	3.5	Intermittent control of emission and/or distribution									
		One controller can control different rooms/zones having same occupancy patterns.									
		0	No automatic control	×				×			
		1	Automatic control with fixed time program	×	×			×	×		
		2	Automatic control with optimum start/stop	×	×	×		×	×	×	
×		3	Automatic control with demand evaluation	×	×	×	×	×	×	×	×
+	3.6	Interlock between heating and cooling control of emission and/or distribution									
		0	No interlock	×				×			
		1	Partial interlock (dependent on the HVAC system)	×	×	×		×	×	×	
×		2	Total interlock	×	×	×	×	×	×	×	×
+	3.7	Generator control for cooling									
		The goal consists generally in maximizing the chilled water supply temperature.									
		0	Constant temperature control	×				×			
		1	Variable temperature control depending on outside temperature	×	×			×	×		
×		2	Variable temperature control depending on the load	×	×	×	×	×	×	×	×
	3.8	Sequencing of generators for chilled water									
		0	Priorities only based on running times	×				×			
		1	Fixed sequencing based on loads only	×	×			×	×		
		2	Priorities based on generator efficiency and characteristics	×	×	×		×	×	×	
		3	Load prediction-based sequencing	×	×	×	×	×	×	×	×

	3.9	Control of thermal energy storage (TES) charging										
		0	Continuous storage operation	×				×			
		1	Time-scheduled storage operation	×	×			×	×		
		2	Load prediction-based storage operation	×	×	×	×	×	×	×	×

[a] In case of slow reacting heat and cool emission systems, for example, floor heating, wall heating, etc., functions 1.1.3 and 3.1.3 are allocated to BAC class A.

We, the undersigned, hereby declare under our sole responsibility that the specified equipment is in conformity with to the above Directives and Standards.

Español [Spanish] – El objeto de la declaración descrita está en conformidad con las Directivas indicadas. Nosotros, los abajo firmantes, declaramos bajo nuestra exclusiva responsabilidad que el equipo especificado cumple con las Directivas y Normas anteriores.

Français [French] – L'objet de cette déclaration est conforme aux Directives indiquées. Nous, signataires, déclarons sous notre seule responsabilité que l'équipement spécifié est conforme aux directives et normes susmentionnées.

Italiano [Italian] – L'oggetto della dichiarazione descritta è conforme alle Direttive indicate. Noi sottoscritti, i firmatari, dichiariamo sotto la nostra responsabilità che la società indicata è conforme alle direttive e alle norme precedenti.

Deutsch [German] – Der Gegenstand der vorgenannten Erklärung ist mit den angegebenen Richtlinien konform. Die Unterzeichner erklären unter alleiniger Verantwortung, dass das betreffende Gerät den oben genannten Richtlinien und Normen entspricht.

Português [Portuguese] – O objeto da declaração descrita está em conformidade com as diretivas indicadas. Nós, abaixo assinados, declaramos sob nossa exclusiva responsabilidade que o equipamento especificado está em conformidade com as diretivas e normas acima mencionadas.

اللغة العربية [Arabian] – تحت نعلن أدناه الموقعون نحن .إليها المشار التوجيهات مع يتوافق الموصوف الإعلان موضوع أعلاه المذكورة والمعايير التوجيهات مع تتوافق المحددة المعدات أن وحدنا مسؤوليتنا

Name: Antonio Mediato

Position: Chief executive officer

Signature:

Date: January 02, 2025