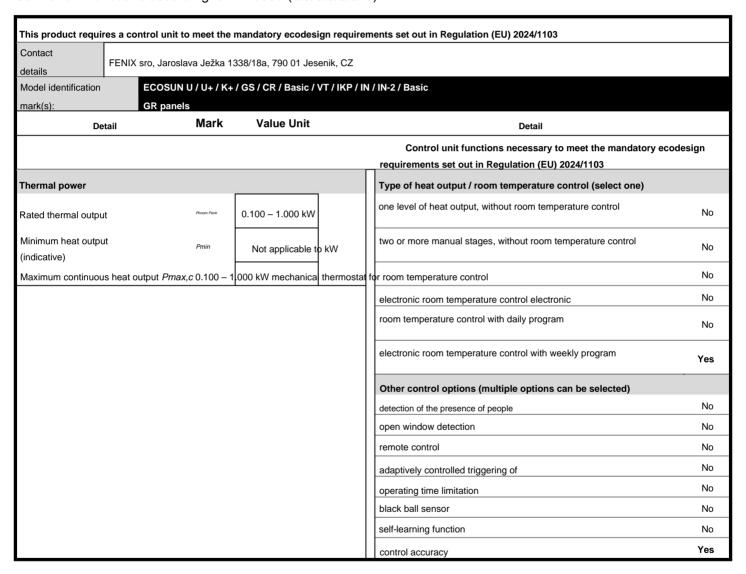# ECOSUN U+ / K+ / GS / CR / Basic / VT / IKP / IN / IN-2 / Basic; GR panels

This product is a fixed electric local space heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, it must be equipped with a control unit that provides at least the following control functions:

ÿ **TW** (0/f2/0/0/0/0/0/0)
ÿ **TW** (0/0/f3/0/0/0/0/0)
ÿ **TW** (0/0/0/f4/0/0/0/0)
ÿ **TW** (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103			
Contact details	FENIX sro, Jaroslava Ježka 1338/18a, 790 01 Jesenik, CZ		
Model identification mark(s):	**ECOSUN U / U+ / K+ / GS / CR / Basic / VT / IKP / IN / IN-2 / Basic GR panels**		
Detail	**Mark** **Value Unit**	**Detail**	
		Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103	
Thermal power		**Type of heat output / room temperature control (select one)**	
Rated thermal output	P_{nom} Penh 0.100 – 1.000 kW	one level of heat output, without room temperature control	No
Minimum heat output (indicative)	P_{min} Not applicable to kW	two or more manual stages, without room temperature control	No
Maximum continuous heat output $P_{max,c}$ 0.100 – 1.000 kW mechanical thermostat for room temperature control			No
		electronic room temperature control electronic	No
		room temperature control with daily program	No
		electronic room temperature control with weekly program	**Yes**
		Other control options (multiple options can be selected)	
		detection of the presence of people	No
		open window detection	No
		remote control	No
		adaptively controlled triggering of	No
		operating time limitation	No
		black ball sensor	No
		self-learning function	No
		control accuracy	**Yes**

Instructions for dismantling, disposing of or recycling the product at the end of its life:
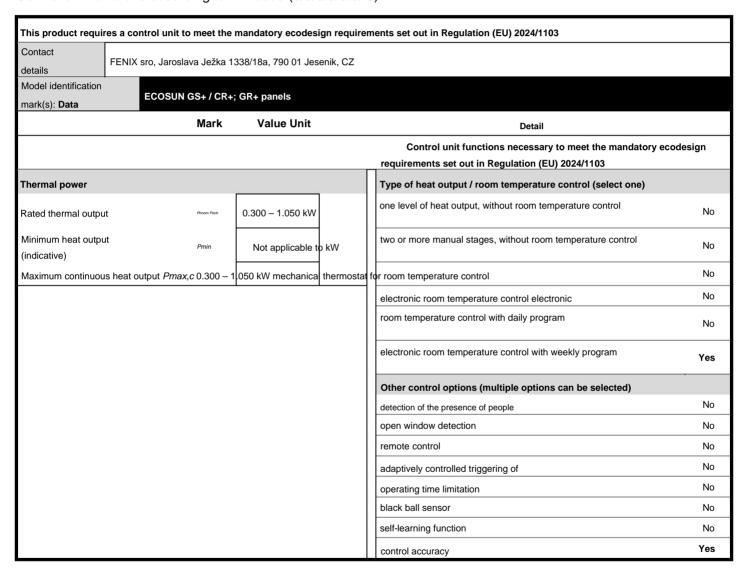
Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

Low-temperature radiant panels ECOSUN GS+ / CR+; glass panels GR+

This product is a fixed electric local space heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, it must be equipped with a control unit that provides at least the following control functions:

ÿ TW (0/f2/0/0/0/0/0/0)
ÿ TW (0/0/f3/0/0/0/0/0)
ÿ TW (0/0/0/f4/0/0/0/0)
ÿ TW (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103			
Contact details	FENIX sro, Jaroslava Ježka 1338/18a, 790 01 Jesenik, CZ		
Model identification mark(s): **Data**	**ECOSUN GS+ / CR+; GR+ panels**		
Mark	**Value Unit**		**Detail**
			Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103
Thermal power			Type of heat output / room temperature control (select one)
Rated thermal output P_{hnom} Penh	0.300 – 1.050 kW		one level of heat output, without room temperature control — No
Minimum heat output (indicative) P_{min}	Not applicable to kW		two or more manual stages, without room temperature control — No
Maximum continuous heat output $P_{max,c}$ 0.300 – 1.050 kW			mechanical thermostat for room temperature control — No
			electronic room temperature control electronic — No
			room temperature control with daily program — No
			electronic room temperature control with weekly program — **Yes**
			Other control options (multiple options can be selected)
			detection of the presence of people — No
			open window detection — No
			remote control — No
			adaptively controlled triggering of — No
			operating time limitation — No
			black ball sensor — No
			self-learning function — No
			control accuracy — **Yes**

Instructions for dismantling, disposing of or recycling the product at the end of its life:
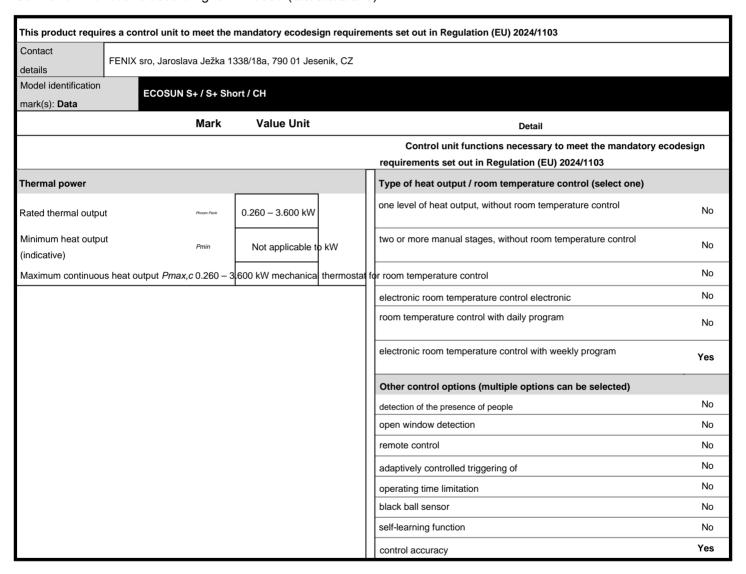
Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

High-temperature panels ECOSUN S+ / S+ Short / CH

This product is a fixed electric local space heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, it must be equipped with a control unit that provides at least the following control functions:

ÿ **TW** (0/f2/0/0/0/0/0/0)
ÿ **TW** (0/0/f3/0/0/0/0/0)
ÿ **TW** (0/0/0/f4/0/0/0/0)
ÿ **TW** (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103			
Contact details	FENIX sro, Jaroslava Ježka 1338/18a, 790 01 Jesenik, CZ		
Model identification mark(s): **Data**	**ECOSUN S+ / S+ Short / CH**		
Mark	**Value Unit**		**Detail**
			Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103
Thermal power			**Type of heat output / room temperature control (select one)**
Rated thermal output $P_{nom\,Penh}$	0.260 – 3.600 kW		one level of heat output, without room temperature control	No
Minimum heat output (indicative) P_{min}	Not applicable to kW		two or more manual stages, without room temperature control	No
Maximum continuous heat output $P_{max,c}$ 0.260 – 3.600 kW mechanical thermostat for room temperature control				No
			electronic room temperature control electronic	No
			room temperature control with daily program	No
			electronic room temperature control with weekly program	**Yes**
			Other control options (multiple options can be selected)	
			detection of the presence of people	No
			open window detection	No
			remote control	No
			adaptively controlled triggering of	No
			operating time limitation	No
			black ball sensor	No
			self-learning function	No
			control accuracy	**Yes**

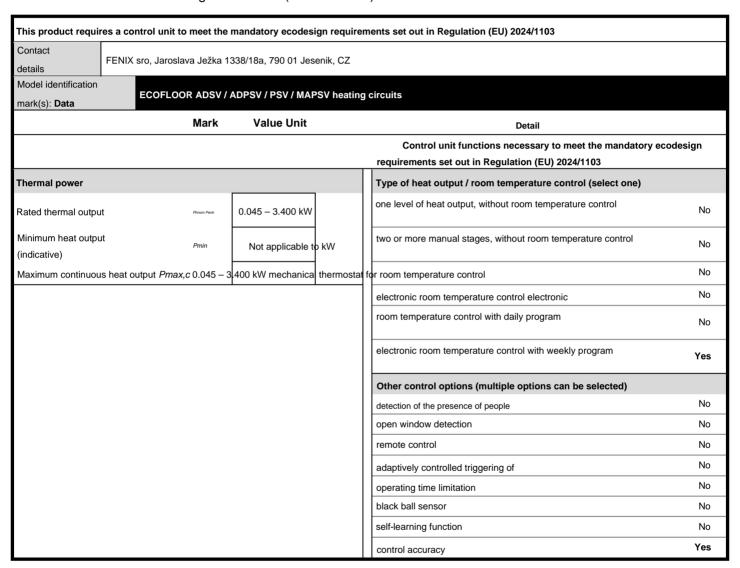**Instructions for dismantling, disposing of or recycling the product at the end of its life:**

 Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

ECOFLOOR ADSV / ADPSV / PSV / MAPSV heating circuits

This product is an underfloor electric local heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, must be equipped with a control unit that provides at least the following control functions:

ÿ **TW** (0/f2/0/0/0/0/0/0)
ÿ **TW** (0/0/f3/0/0/0/0/0)
ÿ **TW** (0/0/0/f4/0/0/0/0)
ÿ **TW** (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103			
Contact details	FENIX sro, Jaroslava Ježka 1338/18a, 790 01 Jesenik, CZ		
Model identification mark(s): **Data**	ECOFLOOR ADSV / ADPSV / PSV / MAPSV heating circuits		
	Mark	**Value Unit**	**Detail**
			Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103
Thermal power			Type of heat output / room temperature control (select one)
Rated thermal output	P_{nom}	0.045 – 3.400 kW	one level of heat output, without room temperature control — No
Minimum heat output (indicative)	P_{min}	Not applicable to kW	two or more manual stages, without room temperature control — No
Maximum continuous heat output $P_{max,c}$ 0.045 – 3.400 kW			mechanical thermostat for room temperature control — No
			electronic room temperature control electronic — No
			room temperature control with daily program — No
			electronic room temperature control with weekly program — **Yes**
			Other control options (multiple options can be selected)
			detection of the presence of people — No
			open window detection — No
			remote control — No
			adaptively controlled triggering of — No
			operating time limitation — No
			black ball sensor — No
			self-learning function — No
			control accuracy — **Yes**

Instructions for dismantling, disposing of or recycling the product at the end of its life:
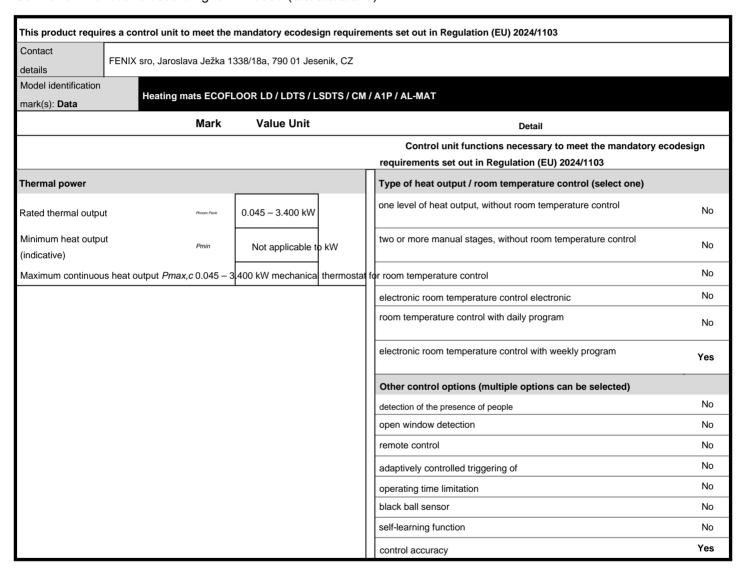
Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

Heating mats ECOFLOOR LD / LDTS / LSDTS / CM / A1P / AL-MAT

This product is an underfloor electric local heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, must be equipped with a control unit that provides at least the following control functions:

ÿ **TW** (0/f2/0/0/0/0/0/0)
ÿ **TW** (0/0/f3/0/0/0/0/0)
ÿ **TW** (0/0/0/f4/0/0/0/0)
ÿ **TW** (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103			
Contact details	FENIX sro, Jaroslava Ježka 1338/18a, 790 01 Jesenik, CZ		
Model identification mark(s): **Data**	Heating mats ECOFLOOR LD / LDTS / LSDTS / CM / A1P / AL-MAT		
	Mark	**Value Unit**	**Detail**
			Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103
Thermal power			Type of heat output / room temperature control (select one)
Rated thermal output	$P_{hnom\ Penh}$	0.045 – 3.400 kW	one level of heat output, without room temperature control — No
Minimum heat output (indicative)	P_{min}	Not applicable to kW	two or more manual stages, without room temperature control — No
Maximum continuous heat output $P_{max,c}$ 0.045 – 3.400 kW mechanical thermostat for room temperature control			No
			electronic room temperature control electronic — No
			room temperature control with daily program — No
			electronic room temperature control with weekly program — **Yes**
			Other control options (multiple options can be selected)
			detection of the presence of people — No
			open window detection — No
			remote control — No
			adaptively controlled triggering of — No
			operating time limitation — No
			black ball sensor — No
			self-learning function — No
			control accuracy — **Yes**

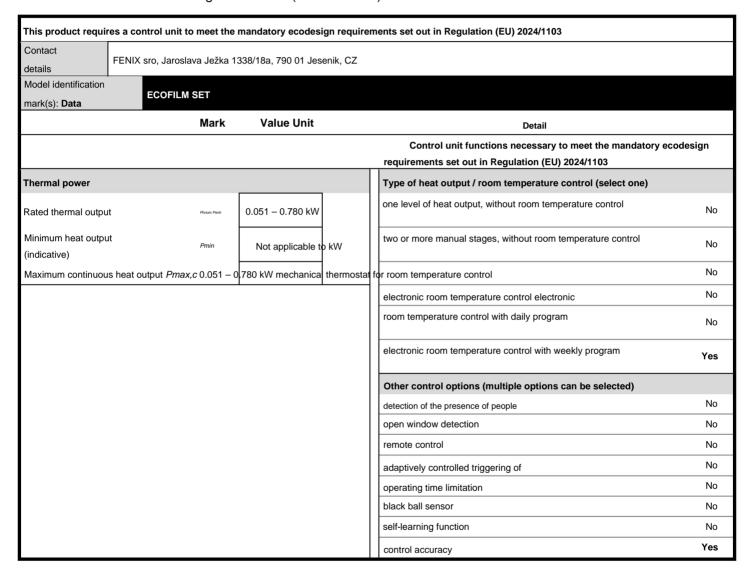**Instructions for dismantling, disposing of or recycling the product at the end of its life:**

Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

Heating foil sets ECOFILM SET

This product is an underfloor electric local heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, must be equipped with a control unit that provides at least the following control functions:

ÿ **TW** (0/f2/0/0/0/0/0/0)
ÿ **TW** (0/0/f3/0/0/0/0/0)
ÿ **TW** (0/0/0/f4/0/0/0/0)
ÿ **TW** (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103		
Contact details	FENIX sro, Jaroslava Ježka 1338/18a, 790 01 Jesenik, CZ	
Model identification mark(s): **Data**	ECOFILM SET	

Mark	**Value Unit**	**Detail**
		Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103

Thermal power			**Type of heat output / room temperature control (select one)**	
Rated thermal output	Phnom Penh	0.051 – 0.780 kW	one level of heat output, without room temperature control	No
Minimum heat output (indicative)	Pmin	Not applicable to kW	two or more manual stages, without room temperature control	No
Maximum continuous heat output $Pmax,c$ 0.051 – 0.780 kW mechanical thermostat for room temperature control				No
			electronic room temperature control electronic	No
			room temperature control with daily program	No
			electronic room temperature control with weekly program	**Yes**
			Other control options (multiple options can be selected)	
			detection of the presence of people	No
			open window detection	No
			remote control	No
			adaptively controlled triggering of	No
			operating time limitation	No
			black ball sensor	No
			self-learning function	No
			control accuracy	**Yes**

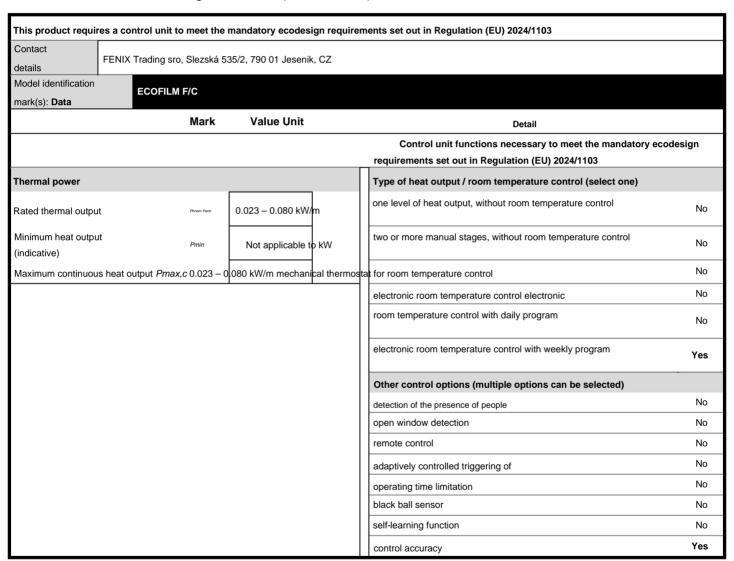**Instructions for dismantling, disposing of or recycling the product at the end of its life:**

Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

ECOFILM F/C heating foils by the metre

This product is an underfloor electric local heater and, in order to comply with the mandatory ecodesign requirements set out in Commission Regulation (EU) 2024/1103, must be equipped with a control unit that provides at least the following control functions:

ÿ **TW** (0/f2/0/0/0/0/0/0)
ÿ **TW** (0/0/f3/0/0/0/0/0)
ÿ **TW** (0/0/0/f4/0/0/0/0)
ÿ **TW** (0/0/0/0/0/0/0/f8)

Control unit functions according to **TW** code (0/0/0/0/0/0/f8)

This product requires a control unit to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103			
Contact details	FENIX Trading sro, Slezská 535/2, 790 01 Jesenik, CZ		
Model identification mark(s): **Data**	**ECOFILM F/C**		
	Mark	**Value Unit**	**Detail**
			Control unit functions necessary to meet the mandatory ecodesign requirements set out in Regulation (EU) 2024/1103
Thermal power			**Type of heat output / room temperature control (select one)**
Rated thermal output	P_{nom} Penh	0.023 – 0.080 kW/m	one level of heat output, without room temperature control — No
Minimum heat output (indicative)	P_{min}	Not applicable to kW	two or more manual stages, without room temperature control — No
Maximum continuous heat output $P_{max,c}$ 0.023 – 0.080 kW/m			mechanical thermostat for room temperature control — No
			electronic room temperature control electronic — No
			room temperature control with daily program — No
			electronic room temperature control with weekly program — **Yes**
			Other control options (multiple options can be selected)
			detection of the presence of people — No
			open window detection — No
			remote control — No
			adaptively controlled triggering of — No
			operating time limitation — No
			black ball sensor — No
			self-learning function — No
			control accuracy — **Yes**

Instructions for dismantling, disposing of or recycling the product at the end of its life:

Products marked with this symbol must not be disposed of with normal household waste, but must be disposed of separately and recycled. Collection and recycling of products at the end of their life must be ensured in accordance with local regulations and ordinances.

In the Czech Republic, the manufacturer is involved in a collective product take-back system. After the end of its useful life, please return the product to the nearest product take-back point (collection yard).

TABLE OF CONTROL FUNCTION CODES FOR RELATED CONTROL UNITS

		Temperature control code (TC)	Control functions										
			f1	f2	f3	f4	f5	f6	f7	f8			
Temperature control type	One stage, no temperature control	NC											
	Two or more manual stages, without temperature control	TX											
	Mechanical thermostat for room temperature control	TM											
	Electronic room temperature control	TE											
	Electronic room temperature control with daily program	TD											
	Electronic room temperature control with weekly program	TW											
Control function	Detection of the presence of people		1										
	Open window detection			2									
	Remote control				3								
	Adaptive controlled launch					4							
	Limitation of operating time						5						
	Black ball sensor							6					
	Self-learning function								7				
	Control accuracy with CA <2 K and CSD <2 K									8			