

# Panasonic<sup>®</sup>

## Operating Instructions Air Conditioner



### Model No.

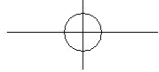
Indoor Unit	Outdoor Unit
<b>CS-RE9PKE CU-RE9PKE CS-</b>	
<b>RE12PKE CU-RE12PKE CS-</b>	
<b>RE15PKE CU-RE15PKE</b>	

### Operating Instructions

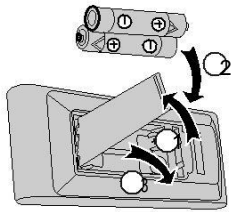
2-9

Thank you for purchasing Panasonic Air Conditioner.  
 Before operating the unit, read these operating instructions  
 thoroughly and keep them for future reference.  
 Installation Instructions attached for authorized dealer or  
 specialist.



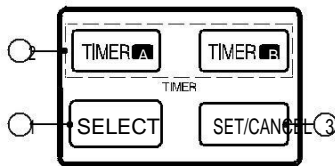


# Quick guide



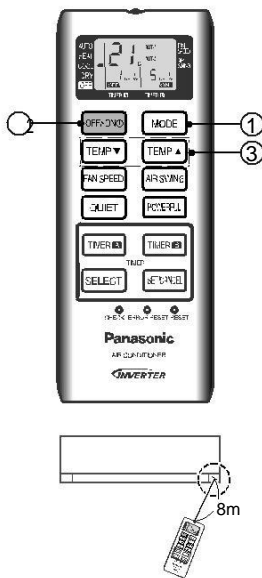
## Inserting the batteries

- 1 Remove the battery cover
- 2 Insert AAA or R03 batteries (can be used ~ 1 year)
- 3 Close the cover



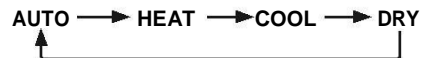
## TIMER setting

- 1 Press SELECT
- 2 Set the time
- 3 Confirm



## Basic operation

- 1 Select the desired mode



- 2 Start/stop the operation



• Please note that the OFF indication is as follows:

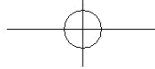


- 3 Select the desired temperature

- Selection range : 16°C ~ 30°C.
- Operating the unit within the recommended temperature may save energy.
- HEAT: 20°C ~ 24°C.
- COOL: 26°C ~ 28°C.
- DRY : 1°C ~ 2°C lower than room temperature.

- Use remote control within 8m from the remote control receiver of the indoor unit.

The illustrations in this manual are for explanation purposes only and may differ from the actual unit. They are subject to change without notice for future improvement.



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### Accessories

- Remote Control
- AAA or R03 batteries × 2

# Safety precautions

To prevent personal injury, injury to others or property damage, please comply with the following:  
 Incorrect operation due to failure to follow instructions below may cause harm or damage, the seriousness of which is classified as below:

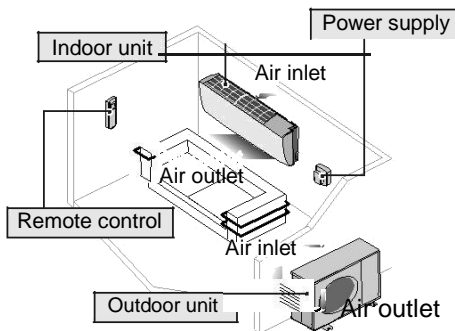
	<b>WARNING</b> This sign warns of death or serious injury.
--	--

	<b>CAUTION</b> This sign warns of injury or damage to property.
--	---

The instructions to be followed are classified by the following symbols:

	This symbol denotes an action that is <b>PROHIBITED</b> .
--	---

   	These symbols denote actions <b>COMPULSORY</b> .
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## **WARNING**

### Indoor unit and outdoor unit

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Please consult authorised dealer or specialist to clean the internal parts, repair, install, remove and reinstall the unit. Improper installation and handling will cause leakage, electric shock or fire. Confirm with authorised dealer or specialist on usage of any specified refrigerant type. Using refrigerant type other than the specified may cause product damage, burst and injury etc.

- Do not install the unit in a potentially explosive or flammable atmosphere. Failure to do so could result in fire.
- Do not insert your fingers or other objects into the air conditioner indoor or outdoor unit, rotating parts may cause injury.
- Do not touch the outdoor unit during lightning, it may cause electric shock.
- Do not expose yourself directly to cold air for a long period to avoid excess cooling.
- Do not sit or step on the unit, you may fall down accidentally.

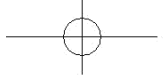
### Remote control

- Do not allow infants and small children to play with the remote control to prevent them from accidentally swallowing the batteries.

### Power supply

- Do not use a modified cord, joint cord, extension cord or unspecified cord to prevent overheating and fire.

- To prevent overheating, fire or electric shock:
- Do not share the same power outlet with other equipment.
  - Do not operate with wet hands.
  - Do not over bend the power supply cord.
  - Do not operate or stop the unit by inserting or pulling out the power plug.



## WARNING

### Power supply



If the supply cord is damaged, it must be replaced by the manufacturer, service agent or similarly qualified persons in order to avoid a hazard.

It is strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD) to prevent electric shock or fire.

To prevent overheating, fire or electric shock:

- Insert the power plug properly.
- Dust on the power plug should be periodically wiped with a dry cloth.

Stop using the product if any abnormality/failure occurs and disconnect the power plug or turn off the power switch and breaker.







(Risk of smoke/fire/electric shock)

Examples of abnormality/failure

- The ELCB trips frequently.
- Burning smell is observed.
- Abnormal noise or vibration of the unit is observed.
- Water leaks from the indoor unit.
- Power cord or plug becomes abnormally hot.
- Fan speed cannot be controlled.
- The unit stops running immediately even if it is switched on for operation.
- The fan does not stop even if the operation is stopped.

Contact your local dealer immediately for maintenance/repair.

Replacement or installation of power plugs shall be performed by authorized/qualified personnel only. The wires in this mains lead are coloured in accordance with the following code:

Terminals	wires	colours (IEC Standard)
<b>L</b>  	live	brown
<b>N</b>  	neutral	blue
<b>E</b>  	earth	green-yellow

Wiring colour may vary depending on a country wiring code's standard.



This equipment must be earthed to prevent electrical shock or fire.



Prevent electric shock by switching off the power supply and unplugging:



- Before cleaning or servicing,
- When extended non-use, or
- During abnormally strong lightning activity.



## CAUTION

### Indoor unit and outdoor unit



Do not wash the indoor unit with water, benzene, thinner or scouring powder to avoid damage or corrosion at the unit.



Do not use for preservation of precise equipment, food, animals, plants, artwork or other objects. This may cause quality deterioration, etc.

Do not use any combustible equipment in front of the airflow outlet to avoid fire propagation.

Do not expose plants or pet directly to airflow to avoid injury, etc.

Do not touch the sharp aluminium fin, sharp parts may cause injury.



Do not switch ON the indoor unit when waxing the floor. After waxing, aerate the room properly before operating the unit.

Do not install the unit in oily and smoky areas to prevent damage to the unit.

Do not dismantle the unit for cleaning purpose to avoid injury.

Do not step onto an unstable bench when cleaning the unit to avoid injury.

Do not place a vase or water container on the unit. Water may enter the unit and degrade the insulation. This may cause an electric shock.

Do not open window or door for long time during COOL/DRY mode operation.



Prevent water leakage by ensuring drainage pipe is:

- Connected properly,
- Kept clear of gutters and containers, or
- Not immersed in water

After a long period of use or use with any combustible equipment, aerate the room regularly.

After a long period of use, make sure the installation rack does not deteriorate to prevent the unit from falling down.

### Remote control



Do not use rechargeable (Ni-Cd) batteries. It may damage the remote control.



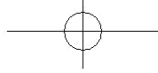
To prevent malfunction or damage of the remote control:

- Remove the batteries if the unit is not going to be used for a long period of time.
- New batteries of the same type must be inserted following the polarity stated.

### Power supply



Do not disconnect the plug by pulling the cord to prevent electric shock.



# How to use

**OFF/ON** To turn on or off the unit

**TEMP** To set temperature

**FAN SPEED** To select fan speed (5 options)

(Remote control display)



• For AUTO, the indoor fan speed is automatically adjusted according to the operation mode.

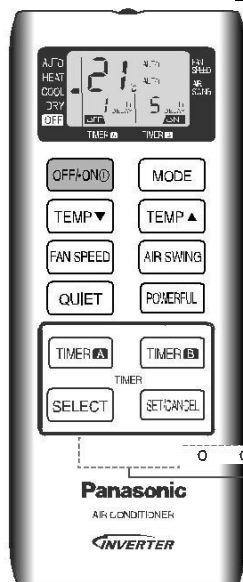
**QUIET** To enjoy quiet environment

• This setting provides a quiet environment by reducing the airflow noise.



Remote control receiver and indicator

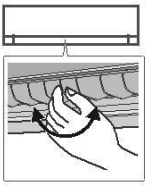
POWER	(GREEN)
TIMER	(ORANGE)
QUIET	(GREEN)
POWERFUL	(RED)



Press to restore the remote control

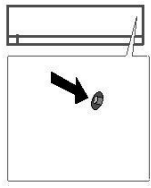
Not used in normal operations.

## To adjust horizontal airflow direction



• Manually adjustable.

## Auto OFF/ON button



Use when remote control is misplaced or a malfunction occurs. Raise the front panel:

- To use in AUTO mode, press the button once.
- To use in COOL mode, press and hold the button until 1 beep is heard, then release.
- To use in HEAT mode, press and hold the button until 1 beep is heard, then release. And press again until 2 beeps, then release.
- Press the button again to turn off.

## To select operation mode

### MODE

#### AUTO mode - For your convenience

- During operation mode selection the power indicator blinks.
- Unit selects the operation mode according to the indoor intake temperature and remote control temperature.

#### HEAT mode - To enjoy warm air

- In heat mode, it may take a while for the unit to warm up.

#### COOL mode - To enjoy cool air

- To reduce power consumption during COOL mode, use curtains to screen off sunlight and outdoor heat.

#### DRY mode - To dehumidify the environment

- Unit operates at low fan speed to give a gentle cooling operation.

### AIR SWNG

(Remote control display)



- Keeps the room ventilated.
- In COOL mode, if AUTO is set, the louver swings up/down automatically.
- In HEAT mode, if AUTO is set, the horizontal louver fix at predetermined position.
- Do not adjust the louver by hand.

### POWERFUL

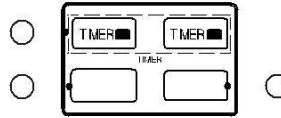
- This setting enables the desired set temperature to be reached quickly.

NOTE: POWERFUL and QUIET operations can

not be activated at the same time.

## To set the timer

2



2

Press



repeatedly to set your desired

## To adjust vertical airflow direction (5 options)

1

Press



SET FANGE

OFF/ON/O

## To achieve temperature quickly

repeating steps above (once power is resumed).

## Operation conditions

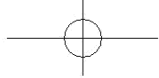
Use this air conditioner under the following temperature range.

Temperature(°C)		Indoor		Outdoor	
		*DBT	*WBT	*DBT	*WBT
COOLING	Maximum	32	23	43	26
	Minimum	16	11	16	11
HEATING	Maximum	30	-	24	18
	Minimum	16	-	-10	-6

DBT: Dry bulb temperature

WBT: Wet bulb temperature

NOTICE: • This model is not suitable for 24 hours non-stopping operation in heating mode below -10°C. When the outdoor temperature is below -10°C and you use this model out of above conditions, the outdoor unit might be frozen up and stop operation for protection control.

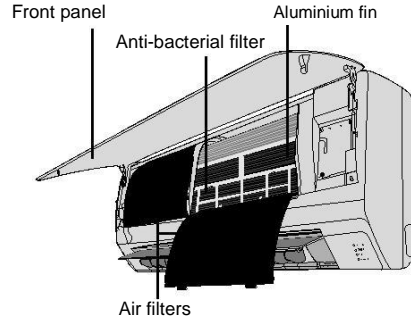


# Cleaning instructions

To ensure optimal performance of the unit, cleaning has to be carried out at regular intervals.

- Switch off the power supply and unplug before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.
- Do not use benzene, thinner or scouring powder.
- Use only soap (  $\approx$  pH 7 ) or neutral household detergent.
- Do not use water hotter than 40°C.

## Indoor unit



### Indoor unit

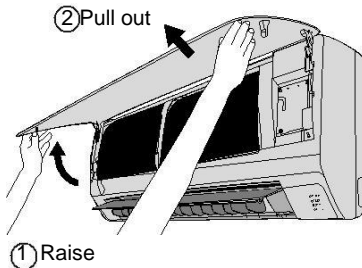
Wipe the unit gently with a soft, dry cloth.



### Front panel

Wash gently and dry.

#### Remove the front panel



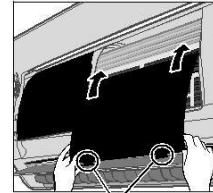
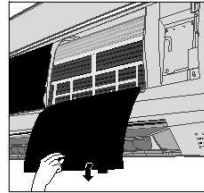
### Air filters

Clean the filter regularly

- Wash/rinse the filters gently with water to avoid damage to the filter surface.
- Dry the filters thoroughly under shade, away from fire or direct sunlight.
- Replace any damaged filters.



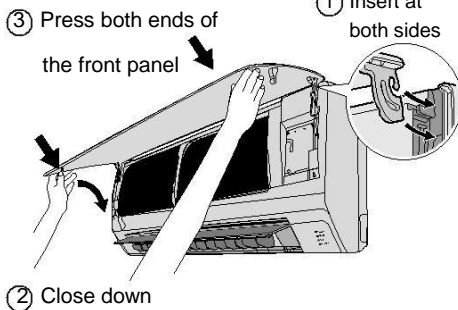
#### Remove air filter    Attach air filter



Insert into the unit

① Raise

#### Close it securely



### Anti-bacterial filter

Vacuum

- Remove the Anti-bacterial filter from front grille and vacuum the filter whenever necessary.
- Replace the filter every 10 years or replace any damaged filter.

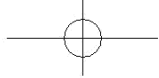
#### For seasonal inspection after extended non-use

- Checking of remote control batteries.
- No obstruction at air inlet and air outlet vents.
- Use Auto OFF/ON button to select Cooling/ Heating operation. After 15 minutes of operation, it is normal to have the following temperature difference between air inlet and air outlet vents:  
Cooling:  $\geq 8^{\circ}\text{C}$     Heating:  $\geq 14^{\circ}\text{C}$

#### For extended non-use

- Turn off the power supply and unplug.
- Remove the remote control batteries.





# Troubleshooting

The following symptoms do not indicate malfunction.

Symptom	Cause
Mist emerges from indoor unit.	• Condensation effect due to cooling process.
Water flowing sound during operation.	• Refrigerant flow inside the unit.
The room has a peculiar odour.	• This may due to damp smell emitted by the wall, carpet, furniture or clothing.
Indoor fan stops occasionally during automatic fan speed setting.	• This helps to remove the surrounding odours.
Operation is delayed a few minutes after restarting.	• The delay is a protection to the unit's compressor.
Outdoor unit emits water/steam.	• Condensation or evaporation occurs on pipes.
The unit operates automatically when power is resumed after a power failure.	• It is the Auto Restart function of the unit. Operation will be restarted automatically under the previous operation mode and air flow direction when power is resumed as the operation is not stopped by remote control.
Indoor fan stops occasionally during heating operation.	• To avoid unintended cooling effect.
Power indicator blinks before the unit is switched on.	• This is a preliminary step in preparation for the operation when the ON timer has been set.
Cracking sound during operation.	• Changes of temperature cause the expansion/contraction of the unit.

Cleaning instructions /

Check the following before calling for servicing.

Symptom	Check
Operation in COOL/HEAT mode is not working efficiently.	<ul style="list-style-type: none"> <li>• Set the temperature correctly.</li> <li>• Close all doors and windows.</li> <li>• Clean or replace the filters.</li> <li>• Clear any obstruction at the air inlet and air outlet vents.</li> </ul>
Noisy during operation.	<ul style="list-style-type: none"> <li>• Check if the unit has been installed at an incline.</li> <li>• Close the front panel properly.</li> </ul>
Remote control does not work. (Display is dim or transmission signal is weak.)	<ul style="list-style-type: none"> <li>• Insert the batteries correctly.</li> <li>• Replace weak batteries.</li> </ul>
The unit does not work.	<ul style="list-style-type: none"> <li>• Check if the circuit breaker is tripped.</li> <li>• Check if timers have been set.</li> </ul>
The unit does not receive the signal from the remote control.	<ul style="list-style-type: none"> <li>• Make sure the receiver is not obstructed.</li> <li>• Certain fluorescent lights may interfere with signal transmitter. Please consult authorised dealer.</li> </ul>

## NON SERVICEABLE CRITERIAS

TURN OFF POWER SUPPLY AND UNPLUG then please consult authorised dealer under the following conditions:

- Abnormal noise during operation.
- Water/foreign particles have entered the remote control.
- Water leaks from Indoor unit.
- Circuit breaker switches off frequently.
- Power cord becomes unnaturally warm.
- Switches or buttons are not functioning properly.
- The timer indicator blinks and the unit can not be operated

The unit stops and the **TIMER** indicator blinks.

Use remote control to retrieve error code.

1 Press for 5 seconds.

2 Press until you hear beep sound, then jot down the error code.

3 Press for 5 seconds to quit checking.

4 Turn the unit off and reveal the error code to authorized dealer.









# Product Specification

 INDOOR UNIT

 OUTDOOR UNIT

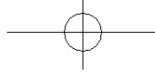
Model				<input type="checkbox"/> CS-RE9PKE <input type="checkbox"/> CU-RE9PKE		<input type="checkbox"/> CS-RE12PKE <input type="checkbox"/> CU-RE12PKE		<input type="checkbox"/> CS-RE15PKE <input type="checkbox"/> CU-RE15PKE	
				COOL	HEAT	COOL	HEAT	COOL	HEAT
				Single, 230V,50Hz		Single, 230V,50Hz		Single, 230V,50Hz	
Power/Current	[kW]	0.700	0.820	1.010	1.120	1.260	1.385		
	[A]	3.30	3.80	4.70	5.20	6.00	6.30		
Refrigerant	[kg]	0.770		0.860		0.920			
Cooling Capacity	[kW]	2.50		3.50		4.20			
Heating Capacity	[kW]	3.30		4.25		5.00			
Noise Level	JIS C 9612 [<70 dB(A)]			42	42	42	42	44	46
	Conditions 1m Distance Max. cooling/ heating operation	[dB(A)]		47	48	48	50	49	51
	Sound power level	[dB(A)]		58	58	58	58	60	62
				63	64	64	66	65	67
Air Circulation	[m <sup>3</sup> /min.]	12.5	11.1	12.5	12.5	13.7	14.5		
kg Product Weight	[kg]	8.0		8.0		8.0			
		23		26		27			
Dimensions (H x W x D)	[mm]	290×848×213		290×848×213		290×848×213			
		540×780×289		540×780×289		540×780×289			

- Standby power consumption ≤ 0.9W (when switched OFF by remote control, except under self-protection control).
- Standard piping length: 5m.
- Air filters are attached.

	Specificação técnica								
	Modo Indoor Unit Outdoor Unit	Modo I Imunidade Ανοσοαξία	Modo I Upravljanje Upravljanje	Modo b Incluido Interno Inkludirano sistema	Modo I Blitzschutz-fähig Blitzschutzfähig	Modo I Elemento Interior Elemento exterior	Modo I Equip. interior Equip. exterior	Модел Вътрешно устройство Външно устройство	M Unutra Vanjsa
 Power / Current		Strømforbrugning	Ανοσοαξία	Correntes	Stroom	Potência	Correntes	Електроенергия απαιτείται	Snaga
 Refrigerant		Kühlmittel	Refrigerant	Refrigerante	Koelmiddelen	Refrigerante	Refrigerante	Охлаждающе е вещество	Rashladno sredstvo
 Cooling Capacity		Kühlleistung	Capacité refrigérante	Refrigerazione	Cooling Capacity	Capacidade do resfriamento	Potência frigorífica	Охлаждающ а способност	Kapacitet za hlađenje
 Heating Capacity		Heizleistung	Capacité chauffage	Riscaldamento	Verwarming Capacity	Capacidade do aquecimento	Potência calorífica	Загряващ капацитет	Kapacitet za grijanje
 Noise Level Conditions 1m Distance Max. cooling Sound power level	Lärmpegel Bedingungen 1m Abstand Max. Kühlen Schalleistungspegel	Niveau de bruit Conditions Distance 1 m Refrigeration max. Niveau de puissance sonore	Limite di rumore Condizioni Distanza di 1 m Raffreddamento max. Livello rumore	Lawaalpeeler Voorwaarden 1m afstand Max. Koeling Geluidsterkte	Nível de ruído Condições Distância de 1m Arrefecimento máx. Nível de alimentação sonora	Nivo sonora Condições 1 m de distancia Refrigeración máx. Nível de potência de som	Ниво на шума Условија 1m растојање Максимална моћ Ниво на звука	Razina Udaja Maksimalna Razina	
 Air Circulation		Luftzirkulation	Ventilation	Circulazione aria	Luchtcirculatie	Circulação do ar	Circulation de aire	Воздушна циркулација	Kružnja zrakoplova
 Product weight		Produktgewicht	Poids du produit	Peso prodotto	Produktgewicht	Peso do produto	Peso do produto	Тегло на продукта	Težina proizvoda
 Dimensions		Abmessungen	Dimensions	Misura	Afmetingen	Dimensões	Medidas	Размери	Dimenzije

English	* Standby power consumption ≤ 0.9W (when switched OFF by remote control, except under self-protection control).
Deutsch	* Stromverbrauch im Standby Modus ≤ 0.9W (wenn durch die Fernbedienung ausgeschaltet, außer bei Selbstschutz-Kontrolle).
Français	* Consommation en mode veille ≤ 0.9W (quand mis en veille par télécommande, sauf sous contrôle d'autoprotection).
Italiano	* Consumo di energia in modalità standby ≤ 0.9W (quando spento dal telecomando, tranne con controllo di autoprotezione).
Nederlands	* Stand-by stroomverbruik ≤ 0.9W (indien op OFF geschakeld met afstandsbediening, behalve in de modus zelfbescherming).
Português	* Consumo energético em Standby (modo inactivo) ≤ 0.9W (quando colocado em OFF (desligado) com o controlo remoto, excepto em controlo de auto-protecção).
Espanol	* Consumo de energía en modo de espera ≤ 0.9W (cuando se apaga con el mando a distancia, excepto en modo de control de protección automática).
Български	* Консумация на енергия в режим на готовност ≤ 0,9W (когато е в режим OFF (ИЗКЛЮЧЕН) от дистанционното управление, с изключение на случаите, когато се управляват чрез самозащита).
Hrvatski	* Potrošnja energije u mirovanju ≤ 0.9W (nakon isključivanja daljinskim upravljačem, osim za upravljanjem sa samozaštitom).
Ελληνικά	* Κατανάλωση ισχύος σε κατάσταση αναμονής ≤ 0.9W (όταν έχει ΑΠΕΝΕΡΓΟΠΟΙΗΘΕΙ από το τηλεχειριστήριο, εκτός από την περίπτωση όπου βρίσκεται υπό έλεγχο αυτοπροστασίας).



# Information/

English

## Information for Users on Collection and Disposal of Old Equipment and Used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC. By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



Pb

### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

### [Information on Disposal in other Countries outside the European Union]

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.