Warning

- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using this product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

JMI-0107

Organization:
DAIKIN INDUSTRIES, LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, COMPRESSORS AND VALVES.

JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM

EC99J2044

All of the Daikin Group's business facilities and subsidiaries in Japan are certified under the ISO 14001 international standard for environment management.

Dealer

DAIKIN INDUSTRIES, LTD.
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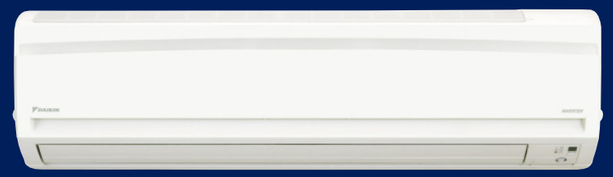
Printed in Japan 03/12/005 Y.K., P.C.

●Specifications, designs and other content appearing in this brochure are current as of February 2012 but subject to change without notice.

PCRPR1208

Split Type Air Conditioners

DC Inverter Power Control
Heat Pump [60 Hz] R-410A



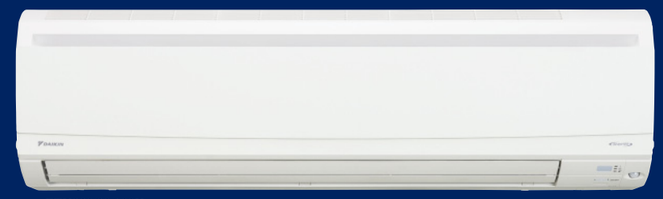
Always around Us

They are always there, just like air. We believe air conditioners should have simple designs that merge smoothly with our daily lives. Daikin's subtle flat panel design blends seamlessly into any room interior. A lineup of 8 models from 2.5 to 10.0 kW is available.

RKS71H

FTXS25/35K

FTXS50/60/71K



FTXS80/90/100K

Sophisticated Appearance with Flat Panel

The series' simple and stylish flat panel design harmonises with any interior decor.

▶ See pages 3 and 4.

Higher Energy Savings

The DC Inverter series achieves high COPs thanks to its swing compressor with Reluctance DC motor and DC motor for fan. The 2.5 kW model delivers a high COP of 3.82 during cooling operation.

▶ See pages 5 and 6.

Quiet Operation

Daikin has achieved lower sound levels for both the indoor and outdoor units. The 2.5 kW indoor unit now operates at a whisper-like 22 dB (A) during cooling operation.

▶ See page 8.

Cleanliness

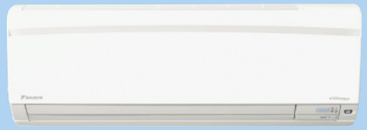
The range of clean features includes the photocatalytic air-purifying filters, Mould-Proof Operation and Wipe-Clean Flat Panel.

▶ See pages 9 and 10.

Product Lineup

Stylish Design Creates Harmony in Any Interior Space

INVERTER



FTXS25/35K

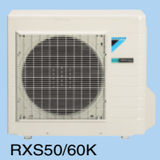
RXS25/35K

FTXS25KVM / RXS25KVM
Cooling 2.64 (1.2-3.0) kW
9,000 (4,100-10,200) Btu/h
Heating 3.37 (1.2-4.5) kW
11,500 (4,100-15,400) Btu/h

FTXS35KVM / RXS35KVM
Cooling 3.52 (1.2-3.8) kW
12,000 (4,100-13,000) Btu/h
Heating 3.94 (1.2-5.0) kW
13,400 (4,100-17,100) Btu/h

INVERTER

FTXS50/60/71K



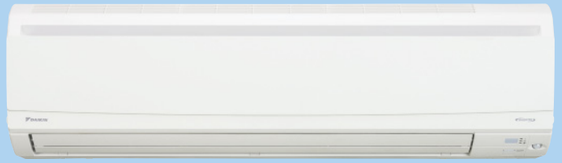
RXS50/60K

RXS71K

FTXS50KVM / RXS50KVM
Cooling 5.28 (1.7-6.0) kW
18,000 (5,800-20,500) Btu/h
Heating 5.86 (1.7-7.7) kW
20,000 (5,800-26,300) Btu/h

FTXS60KVM / RXS60KVM
Cooling 5.86 (1.7-6.7) kW
20,000 (5,800-22,900) Btu/h
Heating 6.96 (1.7-8.0) kW
23,600 (5,800-27,300) Btu/h

FTXS71KVM / RXS71KVM
Cooling 7.03 (2.3-8.5) kW
24,000 (7,800-29,000) Btu/h
Heating 8.04 (2.3-10.0) kW
27,400 (7,900-34,100) Btu/h



FTXS80/90/100K

RXS80/90K

RXS100K

FTXS80KVM / RXS80KVM
Cooling 8.21 (2.3-9.5) kW
28,000 (7,800-32,400) Btu/h
Heating 9.5 (2.3-10.5) kW
32,400 (7,800-35,800) Btu/h

FTXS90KVM / RXS90KVM
Cooling 8.80 (2.3-10.5) kW
30,000 (7,800-35,800) Btu/h
Heating 10.0 (2.3-11.2) kW
34,000 (7,800-38,200) Btu/h

FTXS100KVM / RXS100KVM
Cooling 10.25 (3.0-11.2) kW
35,000 (10,200-38,200) Btu/h
Heating 11.0 (3.0-11.7) kW
37,400 (10,200-39,900) Btu/h

INVERTER

Energy Savings

DC Inverter Power Control Achieves High COPs

The DC Inverter series features the Reluctance DC motor for compressor and DC motor for fan. This hi-tech energy-saving package is completed by Daikin's advanced swing compressor and PAM control. The FTXS25K achieves a high COP of 3.82 during cooling operation. This leading performance is possible thanks to the technologies above.

What is COP?
An air conditioner's COP (Coefficient of Performance) indicates how efficiently the unit uses energy. A higher COP means greater energy efficiency. It also means lower electricity consumption.

$$COP(W/W) = \frac{\text{Capacity (W)}}{\text{Power consumption (W)}}$$

Model	COP (W/W)	
	Cooling	Heating
FTXS25K	3.83	4.01
FTXS35K	3.09	3.55
FTXS50K	3.38	3.64
FTXS60K	3.10	3.43
FTXS71K	3.17	3.26
FTXS80K	3.04	3.10
FTXS90K	2.82	3.00
FTXS100K	2.54	2.75

Inverter Advantages Compared to Non-Inverter

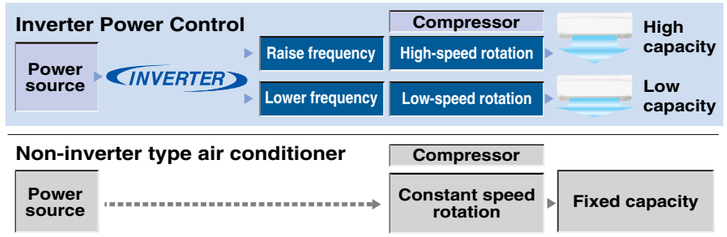
Inverters are devices that are able to vary their operating capacity by adjusting frequency. Inverter air conditioners can vary their cooling/heating capacity by adjusting the power supply frequency of their compressors. In contrast, non-inverter air conditioners have a fixed cooling/heating capacity and can only control the indoor temperature by starting or stopping their compressors.

Powerful
Inverter air conditioners operate at maximum capacity as soon as they start up. As a result, the set temperature can be reached more quickly.

Energy Saving
After the indoor temperature approaches the set temperature, Inverter Control adjusts to low capacity operation to maintain this temperature. This makes inverter models more energy-saving than non-inverter models, which must repeatedly start or stop their compressors to maintain the room temperature.

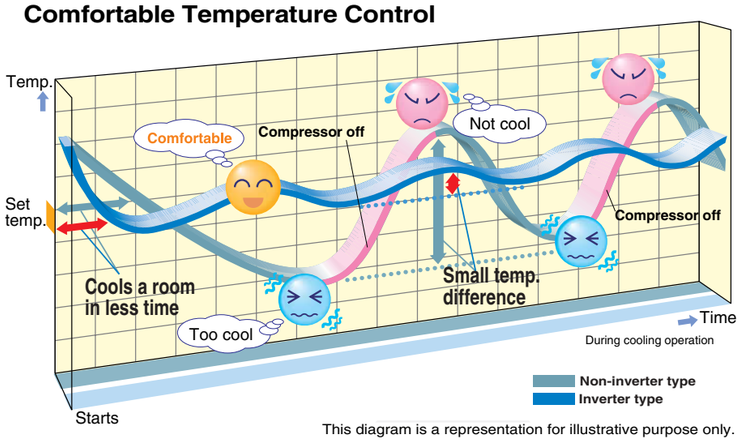
Comfortable
Inverter air conditioners finely adjust capacity according to changes in the air-conditioning load and the difference between the indoor temperature and set temperature is small. These give higher comfort levels than with non-inverter air conditioners.

Variable Capacity Operation



Inverter air conditioners are able to vary their operating capacity. Non-inverter air conditioners can only operate at a fixed capacity.

Comfortable Temperature Control

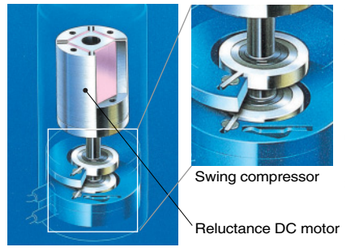


This diagram is a representation for illustrative purpose only.

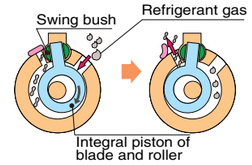
Energy-Saving Technological Features

INVERTER

Swing Compressor

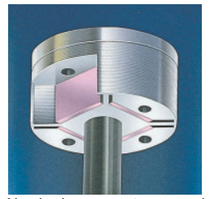


Thanks to its smooth rotation, the swing compressor decreases friction and vibration. It also prevents the leakage of refrigerant gas during compression. These advantages provide quiet and efficient operation.



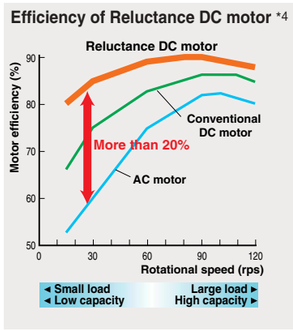
The swing compressor can reduce operational vibration and sound because its piston moves smoothly inside the compressor.

Reluctance DC Motor for Compressor



Neodymium magnets are used in the pink-coloured area.

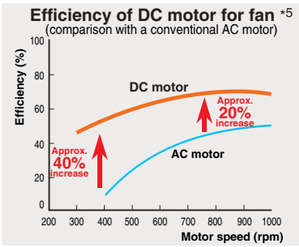
Daikin DC Inverter models are equipped with the Reluctance DC motor for compressor. The Reluctance DC motor uses 2 different types of torque, neodymium magnet*1 and reluctance torque*2. This motor can save energy because it generates more power with a smaller electric power than an AC or conventional DC motor. It is more efficient at the low frequencies most commonly used by air conditioners,*3 improving efficiency by approximately 20%.



*1. A neodymium magnet is approximately 10 times stronger than a standard ferrite magnet.
*2. The torque created by the change in power between the iron and magnet parts.
*3. The frequency range used by air conditioners during periods of stable operation. This is the range in which air conditioners operate for the longest periods.

*4. Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

DC Motor for Fan
The DC motor allows fine rotation control, which reduces energy consumption. The motor also provides improvements in operational efficiency of up to 40%, compared to an AC motor. These improvements are particularly noticeable in the low-speed range.



*5. Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

PAM Control
PAM control

PAM (Pulse Amplitude Modulation) control reduces energy loss by controlling how often the converter switches on and off.

What Is DC Inverter?
Daikin calls an inverter model that is equipped with a DC motor DC Inverter. A DC motor offers higher efficiency than an AC motor. A DC motor uses the power of magnets to attract and repel to generate rotation. A DC motor that is equipped with high-power neodymium magnets, which enable even greater efficiency, is called a Reluctance DC motor.

Main Functions

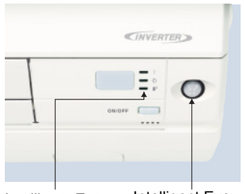
Efficient Operation with Less Energy Wastage and Quiet Operation

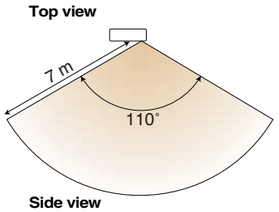
Intelligent Eye

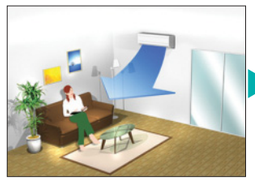
Intelligent Eye prevents energy wastage by using its infrared sensor to detect human movement in a room. When there is no movement, Intelligent Eye increases the temperature by 2 °C to give energy savings.

This reduces energy wastage if, for example, you forget to turn off the air conditioner. The function can be conveniently activated from the remote controller.

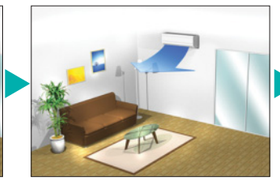
Once Intelligent Eye is set, it continues to work to save energy. You do not need to push the SENSOR button each time you wish to use this function.





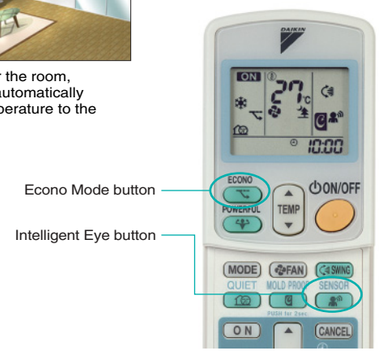


When you are in the room, the air conditioner maintains the set temperature.



If Intelligent Eye detects no human movement for 20 minutes, it automatically adjusts the set temperature by 2° C.

When you enter the room, Intelligent Eye automatically returns the temperature to the set level.

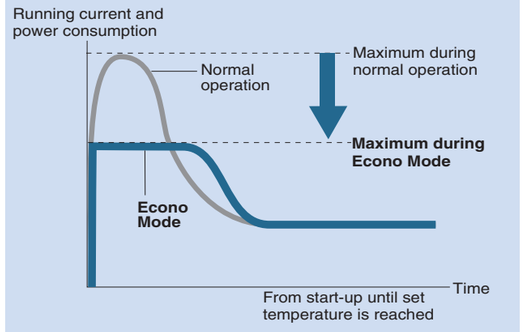


Econo Mode

This function limits both the maximum running current and maximum power consumption. It is particularly effective if the cooling load is high, for example, at start-up or during large gatherings and periods of direct sunshine.

Econo Mode is also useful for preventing circuit breakers from being overloaded during temporary peaks in the running current. The function is easily activated from the remote controller by pushing the ECONO button. Econo Mode is available for FTXS25/35K and 80/90/100K.

FTXS25/35K



- This diagram is a representation for illustrative purposes only.
- Maximum capacity decreases during Econo Mode, requiring more time to reach the set temperature.

Indoor Unit Quiet Operation

This series gives you the choice of 5-step, Quiet or Automatic settings for the fan speed. The Quiet setting selects Indoor Unit Quiet Operation. This function decreases the operation sound level by 3 dB (A) below the Low setting.

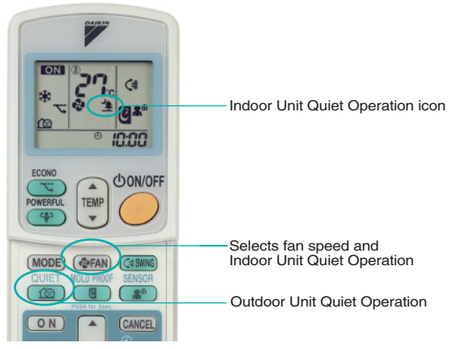
This wide range of settings allows you to precisely control the fan speed according to your requirements. For example, Indoor Unit Quiet Operation provides you with a good night's sleep. The sound level for FTXS25K is 22 dB (A).

FTXS25K

Fan speeds	Sound levels
High (H)	37 dB (A)
Low (L)	25 dB (A)
Quiet (SL)	22 dB (A)

3 dB (A)

During cooling operation



	Auto	SL	L	M	H
Fan speed		Low ←			→ High
Sound level		Each decrease in airflow volume reduces the sound level.			

Outdoor Unit Quiet Operation

Outdoor Unit Quiet Operation is available for all models from 2.5 to 10.0 kW class. This function decreases the operation sound level by 3 or 4 dB (A) below the rated operation. It provides a low sound level of 43 dB (A) for RXS25K.

Capacity may decrease when Outdoor Unit Quiet Operation is selected.

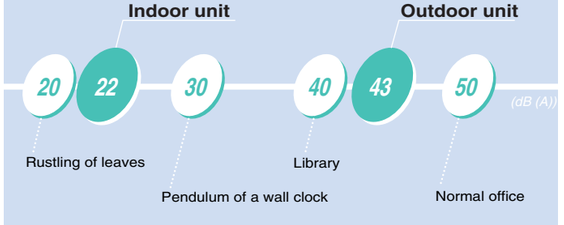
RXS25K

Operations	Sound levels
Rated (H)	46 dB (A)
Quiet (L)	43 dB (A)

3 dB (A)

During cooling operation

22 dB (A) Is So Quiet You Can Even Hear Whispers



Based on "Examples of Sound Levels", Ministry of the Environment, Japan, November 12, 2002

Advanced Photocatalytic Air Purifying

Titanium Apatite Photocatalytic Air-Purifying Filter

Titanium apatite is a new photocatalytic material with advanced adsorption power. While the filter's micron-level fibres trap dust, this photocatalyst effectively adsorbs and decomposes bacteria. The photocatalyst is activated simply by exposure to light. The filter delivers consistent performance for approximately 3 years if periodic maintenance is performed.

For FTXS25/35K

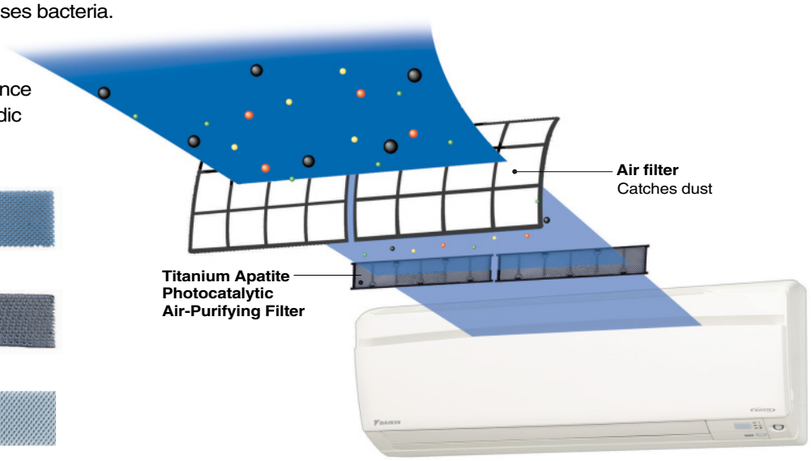
For FTXS50/60/71K

For FTXS80/90/100K

Bacteria removal test

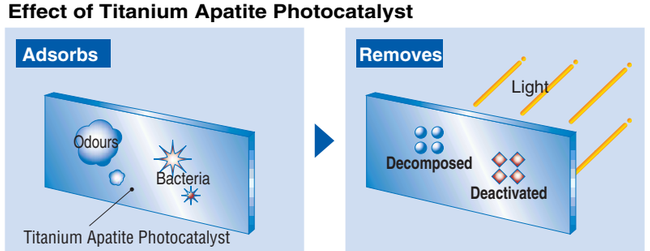
Testing method:	Dropping method
Testing organisation:	Japan Spinners Inspecting Foundation
Result certificate:	No. 012553-1 and 012553-2

This filter is not a medical device. Benefits such as the adsorption and decomposition of bacteria are only effective for substances that are collected on and in direct contact with the Titanium Apatite Photocatalytic Air-Purifying Filter.



Note: The FTXS80/90/100K uses 3 air filters and 3 Titanium Apatite Photocatalytic Air-Purifying Filters.

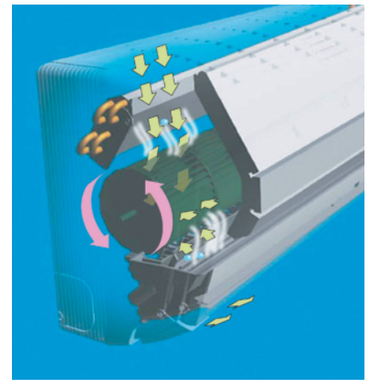
Effect of Titanium Apatite Photocatalyst



Apatite adsorbs bacteria. At the same time, the photocatalyst oxidises odour components, breaking them down.

Mould-Proof Operation

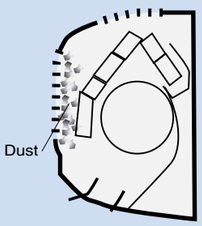
When cooling or dry operation is stopped, fan-only operation runs automatically for 1 hour. This airflow dries the inside of the indoor unit to reduce the generation of mould and odours. It is available with FTXS25/35K.



Wipe-Clean Flat Panel

Flat panel models can be cleaned instantly with a single wipe of a cloth across their smooth surface. If more thorough cleaning is required, the panel can also be easily removed from the unit.

Conventional Front Grille Design



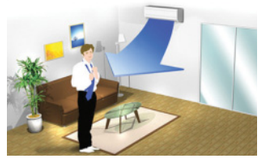
Front grille design units collect dust on their air inlet grilles unless these grilles are cleaned regularly.

1. Difficult to remove dust on the grille through wiping alone
2. Reduced capacity due to increased suction resistance
3. High sound levels due to increased suction resistance

Comfortable and Highly Effective Airflow Functions

Inverter Powerful Operation

Inverter Powerful Operation boosts cooling/heating performance for a 20-minute period. This is convenient both when you first turn on your air conditioner and when you want to quickly change the temperature during operation.

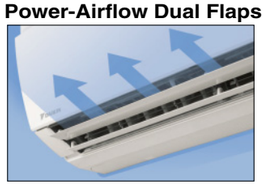



Power-Airflow Dual Flaps

Wide-Angle Louvres

Power-Airflow Dual Flaps and Wide-Angle Louvres work in tandem to precisely control both vertical and horizontal airflow for distribution of air.

Power-Airflow Dual Flaps

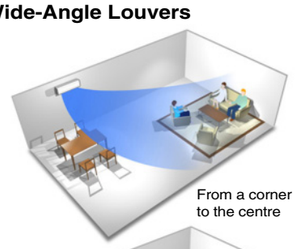




Cooling: the flaps flatten out during operation so that cool air slides off to reach the corner of the room.

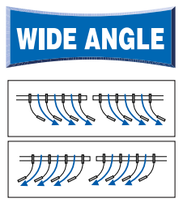
Heating: the flaps descend to blow warm air directly down to the floor to quickly warm the whole room.

Wide-Angle Louvres



From a corner to the centre

Covers even a spacious room



The louvers can be adjusted by hand for FTXS25/35K and with the wireless remote controller for FTXS50/60/71/80/90/100K.

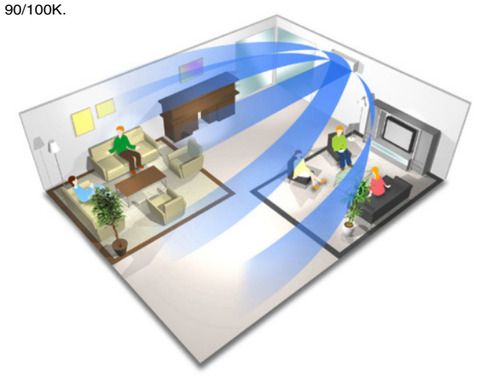
Vertical Auto-Swing (up and down)

Horizontal Auto-Swing (left and right)

3-D Airflow

Vertical Auto-Swing automatically moves the flaps up and down and Horizontal Auto-Swing automatically moves the louvers to the left and right. 3-D Airflow combines Vertical and Horizontal Auto-Swing to circulate air to every part of a room for uniform cooling/heating of even large spaces.

Horizontal Auto-Swing and 3-D Airflow are available for FTXS50/60/71/80/90/100K.



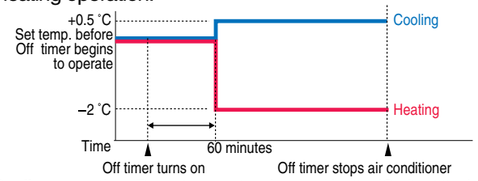
Indoor Unit On/Off Switch

The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.

Indoor Unit On/Off Switch

Night Set Mode

Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for your pleasant sleep. Room temperature is raised by 0.5 ˚C after 60 minutes for cooling operation and the temperature is lowered by 2 ˚C after 60 minutes for heating operation.



Cooling operation: Room temperature is raised by 0.5 ˚C after 60 minutes.
Heating operation: Room temperature is lowered by 2 ˚C after 60 minutes.

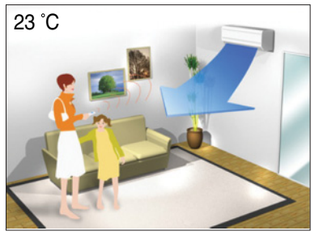
Home Leave Operation

Home Leave Operation prevents large rises or falls in the indoor temperature by continuing operation* while you are sleeping or out of your home. This means that an air-conditioned welcome awaits when you wake or return. It also means that the indoor temperature can quickly return to your favourite comfort setting.

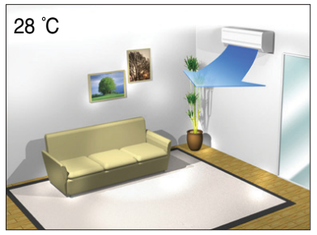
* Home Leave Operation can be set at any temperature from 18 to 32 ˚C for cooling operation and 10 to 30 ˚C for heating operation.

Home Leave Operation is available for FTXS50/60/71K.

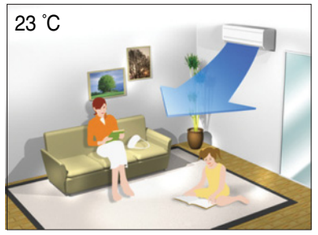
During cooling operation, 23 ˚C for the room temperature setting, and 28 ˚C for the Home Leave setting.



Start Home Leave Operation simply by pushing its button on the remote controller.



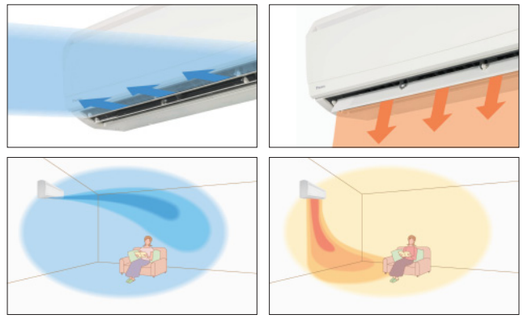
When you are out of your home, your air conditioner prevents large rises/falls in the indoor temperature by continuing to operate using Home Leave Operation settings.



When you return, you will be greeted by an air-conditioned room. Just push the HOME LEAVE button again to return to your previous settings.

Comfort Airflow Mode

Comfort Airflow Mode prevents uncomfortable drafts from blowing directly on to your body. With this function, when you press the COMFORT button for cooling operation, the flap moves upward to prevent direct cold drafts. For heating operation, it also moves downward to prevent direct drafts and deliver warm air to the floor. Comfort Airflow Mode is available for FTXS80/90/100K.

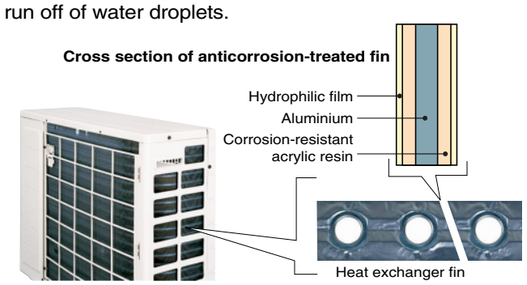


Cooling operation — Heating operation

Anticorrosion Treatment of Outdoor Heat Exchanger Fins

The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion. A hydrophilic film layer also prevents rust caused by the run off of water droplets.

Cross section of anticorrosion-treated fin



Installation Flexibility

A long piping length gives installation flexibility. Installation is possible even if there is no space for the outdoor unit near the indoor unit.

	Max. piping length	Max. height difference
FTXS25/35K	**20 m**	**15 m**
FTXS50/60/71/80/90/100K	**30 m**	**20 m**

Function Dictionary

Comfortable Airflow

Power-Airflow Dual Flaps
Power-Airflow Dual Flaps can flatten out during cooling operation to deliver cool air to the corners of a room. The flaps can direct warm air straight down to the floor during heating operation.
▶ See page 11

Wide-Angle Louvres
The smoothly curved Wide-Angle Louvres provide wide airflow coverage for effective operation no matter where the indoor unit is placed in a room.
▶ See page 11

Vertical Auto-Swing (up and down)
This function automatically moves the flaps up and down to distribute air across a room.
▶ See page 11

Horizontal Auto-Swing (left and right)
Horizontal Auto-Swing automatically moves the louvers to the left and right to cover a room with cool/warm air.
▶ See page 11

3-D Airflow
This function combines Vertical and Horizontal Auto-Swing to circulate a cloud of cool/warm air right to the corners of even large spaces.
▶ See page 11

Comfort Airflow Mode
This function prevents uncomfortable drafts from blowing directly on to the body. The flap changes the airflow direction. To prevent drafts, the flap moves upward during cooling operation and downward during heating operation.
▶ See page 12

Lifestyle Convenience

Econo Mode
This mode limits maximum running current and power consumption. This improves operating efficiency and also prevents circuit breakers from being overloaded.
▶ See page 7

Inverter Powerful Operation
This function is convenient for boosting cooling/heating performance for a 20-minute period both when you first turn on your air conditioner or want to quickly change the room temperature.
▶ See page 11

Home Leave Operation
Home Leave Operation continues operation to prevent a room from becoming too hot or cold, while you are sleeping or out of your home. Select any temperature from 18 to 32 ˚C for cooling operation and 10 to 30 ˚C for heating operation.
▶ See page 12

Indoor Unit On/Off Switch
The unit can be conveniently started manually in the event the wireless remote controller is misplaced or the wireless remote controller batteries are not charged.
▶ See page 11

Comfort Control

Indoor Unit Quiet Operation
Indoor unit operating sound levels are decreased by 3 dB (A) from the Low setting fan speed using the wireless remote controller.
▶ See page 8

Outdoor Unit Quiet Operation
Outdoor unit operating sound levels are decreased by 3 or 4 dB (A) from the rated operation sound using the wireless remote controller.
▶ See page 8

Intelligent Eye
Intelligent Eye with its infrared sensor automatically controls air conditioner operation according to human movement in a room. When there is no movement, it adjusts the temperature by ±2 ˚C for energy savings.
▶ See page 7

Automatic Operation
This function automatically selects cooling or heating operation mode based on the room temperature at start-up.

Programme Dry Function
This function automatically reduces the level of humidity.

Auto Fan Speed
The microprocessor automatically controls fan speed to adjust the room temperature to the set temperature.

Timers

24-Hour On/Off Timer
This timer can be preset to start and stop at any time within a 24-hour period. The air conditioner is started/stopped simply by pressing the On/Off timer button on the wireless remote controller.

Weekly Timer
The Weekly Timer allows up to four actions to be programmed for each day of the week. It is possible to schedule not only the on and off times, but also the desired temperatures during these periods. The Copy function also enables a daily programme to be repeated on another day or days as required. With correct programming, this function provides considerable energy savings.

Night Set Mode
Pressing the Off timer button automatically selects Night Set Mode. This function prevents excessive cooling or heating for your pleasant sleep. Room temperature is raised by 0.5 ˚C after 60 minutes for cooling operation and the temperature is lowered by 2 ˚C after 60 minutes for heating operation.
▶ See page 11

Cleanliness

Titanium Apatite Photocatalytic Air-Purifying Filter
This filter contains the new photocatalytic material titanium apatite. While the filter's micron-level fibres trap dust, this photocatalyst adsorbs and decomposes bacteria. The filter can be used for up to 3 years with proper maintenance.
▶ See page 9

Mould-Proof Operation
Mould-Proof Operation automatically runs fan-only operation for 1 hour when cooling or dry operation is stopped. This airflow prevents the generation of mould and mould odours inside the indoor unit.
▶ See page 10

Wipe-Clean Flat Panel
The flat panel models can be cleaned with only the single pass of a cloth across their smooth surface. The flat panel can also be easily removed for more thorough cleaning.
▶ See page 10

Worry Free

Auto-Restart after Power Failure
The air conditioner memorises the settings for mode, airflow, temperature, etc., and automatically returns to them when power is restored after a power failure.

Self-Diagnosis with Digital Display
Malfunction codes are shown on the digital display panel of the wireless remote controller for fast and easy maintenance.

Anticorrosion Treatment of Outdoor Heat Exchanger Fins
The outdoor unit's heat exchanger fins are processed using a special anticorrosion treatment. The surface is covered with a thin acrylic resin layer to enhance the fins' resistance to acid rain and salt corrosion.
▶ See page 12

Others

Comfort Control

Quick Warming Function
During low outdoor temperatures, this function pre-heats the compressor to shorten the time required to discharge warm air.

Automatic Defrosting
Before starting heating operation, a sensor checks for frost in the outdoor unit and performs automatic defrosting if necessary so that only warm air is discharged.

Hot-Start Function
After defrosting or when starting heating operation, air is pre-heated before discharge to prevent uncomfortable cold drafts.

Function List

Indoor Unit

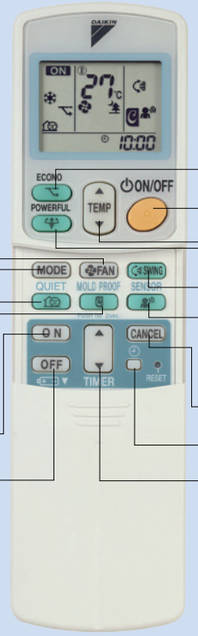
	Functions \ Models	FTXS 25/35K	FTXS 50/60/71K	FTXS 80/90/100K
	DC Inverter	●	●	●
Comfortable Airflow	Power-Airflow Dual Flaps	●	●	●
	Wide-Angle Louvres	●	●	●
	Vertical Auto-Swing (up and down)	●	●	●
	Horizontal Auto-Swing (left and right)		●	●
	3-D Airflow		●	●
	Comfort Airflow Mode			●
Comfort Control	Indoor Unit Quiet Operation	●	●	●
	Intelligent Eye	●	●	●
	Automatic Operation	●	●	●
	Programme Dry Function	●	●	●
	Auto Fan Speed	●	●	●
Lifestyle Convenience	Econo Mode	●		●
	Inverter Powerful Operation	●	●	●
	Home Leave Operation		●	
	Indoor Unit On/Off Switch	●	●	●
Cleanliness	Titanium Apatite Photocatalytic Air-Purifying Filter	●	●	●
	Mould-Proof Operation	●		
	Wipe-Clean Flat Panel	●	●	●
Timers	24-Hour On/Off Timer	●	●	●
	Weekly Timer			●
	Night Set Mode	●	●	●
Worry Free	Auto-Restart after Power Failure	●	●	●
	Self-Diagnosis with Digital Display	●	●	●

Outdoor Unit

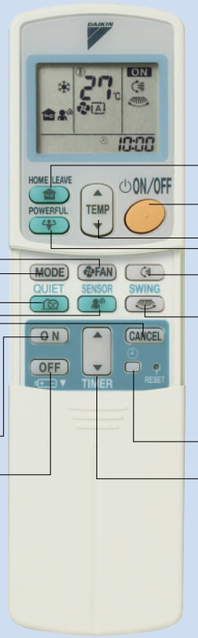
	Functions \ Models	RXS 25/35K	RXS 50/60/71K	RXS 80/90/100K
Comfort Control	Outdoor Unit Quiet Operation	●	●	●
Worry Free	Anticorrosion Treatment of Outdoor Heat Exchanger Fins	●	●	●

Easy-to-Use Wireless Remote Controller

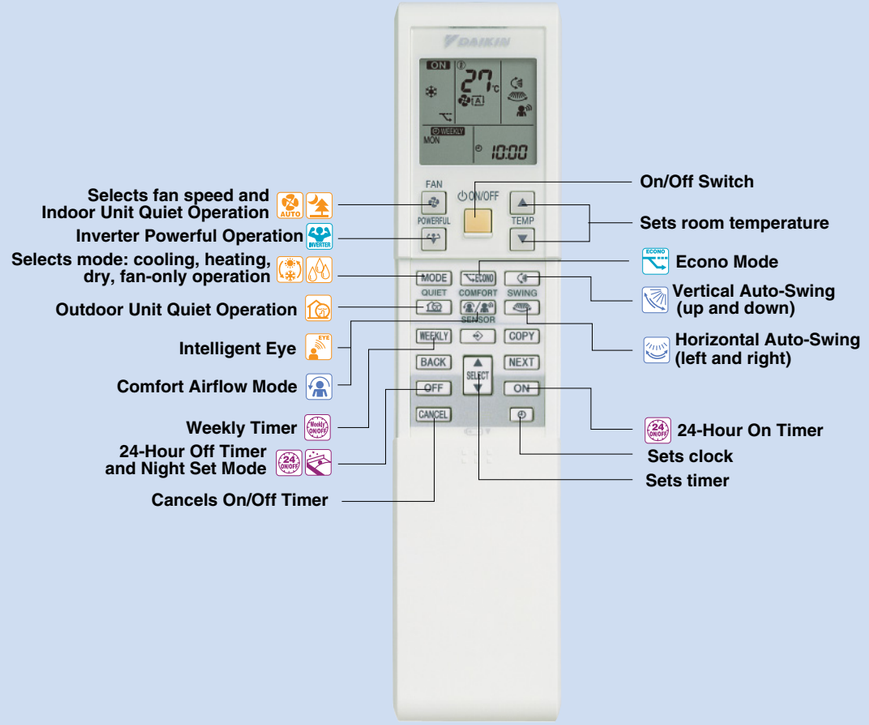
Wireless remote controller for FTXS25/35K



Wireless remote controller for FTXS50/60/71K



Wireless remote controller for FTXS80/90/100K



Specifications

FTXS25/35/50/60K

Model name	Indoor unit			FTXS25KVM	FTXS35KVM	FTXS50KVM	FTXS60KVM
	Outdoor unit			RXS25KVM	RXS35KVM	RXS50KVM	RXS60KVM
Capacity	Cooling	Rated	kW	2.64 (1.2-3.0)	3.52 (1.2-3.8)	5.28 (1.7-6.0)	5.86 (1.7-6.7)
		(Min.-Max.)	Btu/h	9,000 (4,100-10,200)	12,000 (4,100-13,000)	18,000 (5,800-20,500)	20,000 (5,800-22,900)
	Heating	Rated	kW	3.37 (1.2-4.5)	3.94 (1.2-5.0)	5.86 (1.7-7.7)	6.96 (1.7-8.0)
		(Min.-Max.)	Btu/h	11,500 (4,100-15,400)	13,400 (4,100-17,100)	20,000 (5,800-26,300)	23,600 (5,800-27,300)
Power supply				1 phase, 220-240 V / 220-230 V, 50/60 Hz			
Running current (220-230 V, 60 Hz)	Cooling	Rated	A	4.0-3.9	5.5-5.3	7.3-7.0	8.8-8.4
	Heating			4.4-4.2	5.2-5.0	7.4-7.1	9.4-9.0
Power consumption	Cooling	Rated	W	690 (300-800)	1,140 (300-1,200)	1,560 (440-2,080)	1,890 (440-2,390)
	Heating	(Min.-Max.)		840 (290-1,340)	1,110 (290-1,550)	1,610 (400-2,530)	2,030 (400-2,810)
COP	Cooling	Rated	W/W	3.83	3.09	3.38	3.10
	Heating			4.01	3.55	3.64	3.43
SEER				20.0	19.5	20.0	19.5
Indoor unit				**FTXS25KVM**	**FTXS35KVM**	**FTXS50KVM**	**FTXS60KVM**
Front panel colour				White			
Airflow rate (H)	Cooling		m^3/min	8.7 (307)	8.9 (314)	14.7 (519)	16.2 (572)
	Heating		(cfm)	9.4 (332)	9.7 (342)	16.2 (572)	17.4 (614)
Fan speed				5 steps, quiet and automatic			
Sound levels (H/L/SL)	Cooling		dB (A)	37/25/22	38/26/23	44/35/32	45/36/33
	Heating			37/28/25	38/29/26	42/33/30	44/35/32
Dimensions (H x W x D)			mm	283 x 800 x 195		230 x 1,050 x 238	
Machine weight			kg	9		12	
Outdoor unit				**RXS25KVM**	**RXS35KVM**	**RXS50KVM**	**RXS60KVM**
Casing colour				Ivory white			
Compressor	Type			Hermetically sealed swing type			
	Motor output		W	600		1,100	
Refrigerant charge (R-410A)			kg	1.00		1.78	
Sound levels (H/L)	Cooling		dB (A)	46/43	47/44	47/44	49/46
	Heating			47/44	48/45	48/45	49/46
Dimensions (H x W x D)			mm	550 x 765 x 285		735 x 825 x 300	
Machine weight			kg	34		48	
Operation range	Cooling		˚CDB	10 to 46			
	Heating		˚CWB	–15 to 18			
Piping connections	Liquid		mm	ø6.4			
	Gas			ø9.4		ø12.7	
	Drain			ø16			
Max. piping length			m	20		30	
Max. height difference				15		20	

FTXS71/80/90/100K

Model name	Indoor unit			FTXS71KVM	FTXS80KVM	FTXS90KVM	FTXS100KVM
	Outdoor unit			RXS71KVM	RXS80KVM	RXS90KVM	RXS100KVM
Capacity	Cooling	Rated	kW	7.03 (2.3-8.5)	8.21 (2.3-9.5)	8.80 (2.3-10.5)	10.25 (3.0-11.2)
		(Min.-Max.)	Btu/h	24,000 (7,800-29,000)	28,000 (7,800-32,400)	30,000 (7,800-35,800)	35,000 (10,200-38,200)
	Heating	Rated	kW	8.04 (2.3-10.0)	9.5 (2.3-10.5)	10.0 (2.3-11.2)	11.0 (3.0-11.7)
		(Min.-Max.)	Btu/h	27,400 (7,900-34,100)	32,400 (7,800-35,800)	34,000 (7,800-38,200)	37,400 (10,200-39,900)
Power supply				1 phase, 220-240 V / 220-230 V, 50/60 Hz			
Running current (220-230 V, 60 Hz)	Cooling	Rated	A	10.2-9.8	12.5-11.9	14.3-13.7	18.5-17.7
	Heating			11.4-10.3	14.0-13.4	15.2-14.6	18.3-17.5
Power consumption	Cooling	Rated	W	2,220 (570-3,200)	2,700 (570-3,800)	3,120 (570-4,320)	4,040 (620-4,520)
	Heating	(Min.-Max.)		2,470 (520-3,790)	3,060 (520-3,870)	3,330 (520-4,340)	4,000 (620-4,570)
COP	Cooling	Rated	W/W	3.17	3.04	2.82	2.54
	Heating			3.26	3.10	3.00	2.75
SEER				18.1	19.9	18.6	18.8
Indoor unit				**FTXS71KVM**	**FTXS80KVM**	**FTXS90KVM**	**FTXS100KVM**
Front panel colour				White			
Airflow rate (H)	Cooling		m^3/min	17.4 (614)	23.8 (840)	23.8 (840)	23.8 (840)
	Heating		(cfm)	21.5 (759)	24.1 (852)	24.1 (852)	24.1 (852)
Fan speed				5 steps, quiet and automatic			
Sound levels (H/L/SL)	Cooling		dB (A)	46/37/34	49/40/37	49/40/37	49/40/37
	Heating			46/37/34	49/38/35	49/38/35	49/38/35
Dimensions (H x W x D)			mm	230 x 1,050 x 238	340 x 1,200 x 240		
Machine weight			kg	12	17		
Outdoor unit				**RXS71KVM**	**RXS80KVM**	**RXS90KVM**	**RXS100KVM**
Casing colour				Ivory white			
Compressor	Type			Hermetically sealed swing type			
	Motor output		W	1,920			2,030
Refrigerant charge (R-410A)			kg	2.30			2.80
Sound levels (H/L)	Cooling		dB (A)	52/49	54/51	54/51	54/51
	Heating			52/49	54/51	54/51	55/51
Dimensions (H x W x D)			mm	770 x 900 x 320			990 x 940 x 320
Machine weight			kg	71			80
Operation range	Cooling		˚CDB	10 to 46			
	Heating		˚CWB	–15 to 18			
Piping connections	Liquid		mm	ø6.4	ø9.5		
	Gas			ø15.9			
	Drain			ø16			
Max. piping length			m	30			
Max. height difference				20			

Measurement conditions
1. Cooling capacity is based on: indoor temp. 27 ˚CDB, 19 ˚CWB; outdoor temp. 35 ˚CDB; piping length 7.5 m.
2. Heating capacity is based on: indoor temp. 20 ˚CDB; outdoor temp. 7 ˚CDB, 6 ˚CWB; piping length 7.5 m.
3. Sound levels are based on the temperature conditions 1. above. These are anechoic conversion values. These values are normally somewhat higher during actual operation as a result of ambient conditions.

Options

Indoor unit

No.	Item	FTXS25/35K	FTXS50/60/71K	FTXS80/90/100K
1	5-room centralized controller *1	KRC72		
2	Wiring adaptor for time clock/remote controller (Normal open pulse contact/normal open contact) *2	KRP413AB1S		
3	Titanium apatite photocatalytic air-purifying filter *3	KAF970A46	KAF971B42	KAF970A48
4	Remote controller loss prevention with chain	KKF917A4		KKF910A4

Notes: *1. A wiring adaptor (KRP413AB1S) is also required for each indoor unit.
*2. The time clock and other devices should be obtained locally.
*3. The filter is a standard accessory. It should be replaced approximately every 3 years.

Titanium apatite photocatalytic air-purifying filter
KAF970A46

Titanium apatite photocatalytic air-purifying filter
KAF970A48

5-room centralised controller
KRC72

Remote controller loss prevention with chain
KKF917A4

Remote controller loss prevention with chain
KKF910A4

Outdoor unit

No.	Item	RXS25/35K	RXS50/60K	RXS71/80/90K	RXS100K
1	Air direction adjustment grille	KPW937A4	KPW945A4		KPW5E112
2	Drain plug	KKP937A4 *1		KKP945A4	

Note: *1. One set includes 5 pieces for 5 units.

Air direction adjustment grille
KPW945A4

Drain plug
KKP937A4

Drain plug
KKP945A4

Control system

No.	Item	FTXS25/35/50/60/71/80/90/100K
1	Central remote controller *1	DCS302CA61
2	Unified On/Off controller *1	DCS301BA61
3	Schedule timer *1	DST301BA61
4	Interface adaptor for DIII-NET use	KRP928BB2S

Note: *1. Interface adaptor for DIII-NET use (KRP928BB2S) is also required for each indoor unit.

Central remote controller
DCS302CA61

Unified On/Off controller
DCS301BA61

Schedule timer
DST301BA61

Specifications are subject to change.