

Reduces the power consumption of air conditioners without sacrificing air-conditioned comfort.

Eco Demand System

Features

- Under programmed control without sacrificing air conditioning.
- Ensures the reduction of electric bills and CO₂ emissions (recommended by electric power companies).
- Improves air-conditioning efficiency with near-infrared rays shut off (with the IR and UV cutting nanoparticle coating on windowpanes).

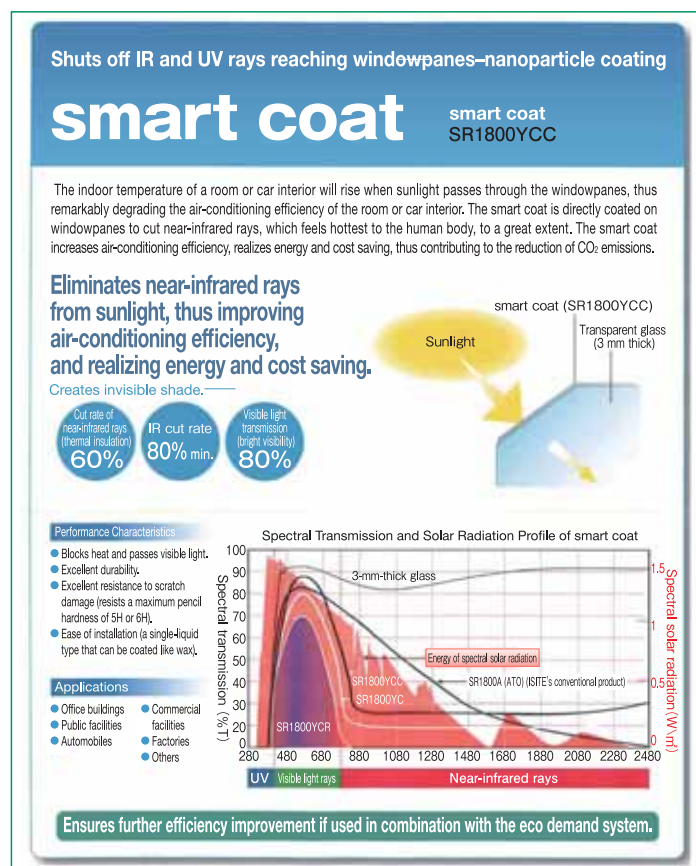
Overview

(Technical principles, actions, etc.)

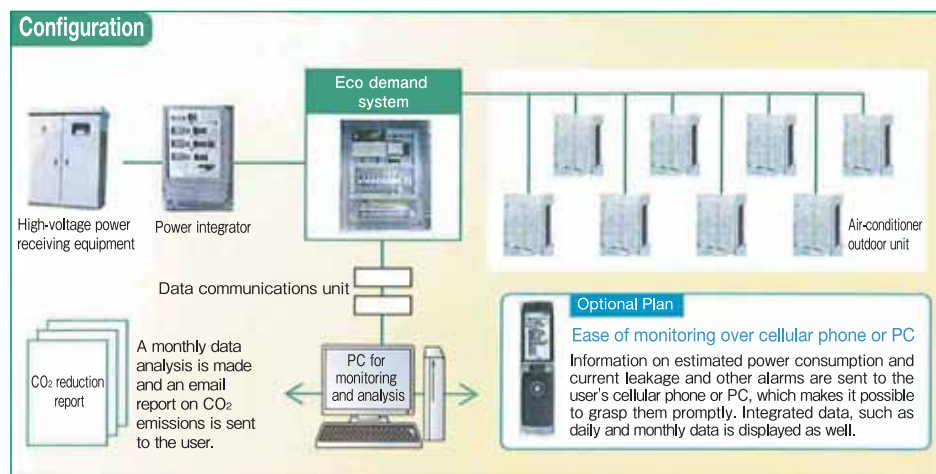
The eco demand system uses a program in automatic control of air conditioners, thus monitoring the power consumption of the air conditioners and making settings according to the situation. The system controls each outdoor unit at random at 3-minute or 12-minute intervals while maintaining the ventilating operation of the air conditioners, thus saving the power consumption of the air conditioners and realizing the reduction of the electric bills and CO₂ emissions.

Furthermore, the eco demand system records the power consumption of the air conditioners on a daily basis, analyses monthly data transmitted to the Control Center, and creates CO₂ reduction reports.

The smart coat is a nanoparticle coating material for windowpanes to shut off infrared (IR) and ultraviolet (UV) rays, which increases air-conditioning efficiency. The use of the eco demand system in combination with the smart coat realizes energy and cost saving.



smart coat



Eco demand system

Effects

- ◎ The control program used by the system does not shut off the air conditioners, thus saving the power consumption of the air conditioner without sacrificing air-conditioning comfort. Electric power companies recommend the system as it contributes to the reduction of CO₂ emissions. The user's contracted power rate (basic rate) can be changed from the month of introducing the equipment. Any excess of the proposed basic charge will be converted by insurance (provided that high-voltage power is received).

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※Note: This publication introduces examples of technologies and products believed useful towards solving environmental and energy issues. In no way does it constitute guarantees concerning their transfer or sale.

Applicable field
Stores, offices, factories, and all other
places where air conditioners are used.

Water

Energy saving/Energy recovery

Energy storage/Energy creation

New energy

Waste disposal/
Recycling/Reuse

Air

Soil

Other

E N E R G Y