

# OPAL<sup>®</sup>

**T·Q·M·S**  
Twito Quick Modular System

## Smart Temperature Control

*Feel the difference – in every room*

Imagine being able to create different climate conditions within your own home to suit every member of your family.

Now you can simply by installing the latest technology, Opal Smart Temperature Control the most energy-efficient add-on accessory to any ducted system, saving you up to 30% on running costs.

### ROOM 1



20°C

The new Opal Smart Temperature Control enables you to individually control temperatures in each room.



### ROOM 2



22°C

You can add Opal Smart Temperature Control to your existing ducted system, for one or more rooms.



### ROOM 3



21°C

Opal Smart Temperature Control is easy to use and affordable.

### ROOM 4



23°C

The Opal Smart Temperature Control enables you to have a different temperature in each room, with individual **I FEEL** remote controls.

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# OPAL RC-11

## Smart Temperature Control



**Remote Control**



**Remote Control Holder**



**Receiver**

The Opal Smart Temperature Control is an electronic control system which controls an electrical proportional damper. The system is based on a handheld terminal with I-FEEL sensor & I.D. code that sends the operational commands to a wall mounted receiver. The receiver is based on a strong micro-controller. It displays the operating mode with 5 LED's and carries the operation mode logic and algorithm.

### Automatic or Manual Operation

The Opal Smart Temperature Control System operates in **Automatic, Manual or Turbo** mode.

**Automatic Operation** - In this mode the damper is controlled proportionally according to the difference between the desired and actual room temperature. The desired temperature is set with the up-down buttons on the remote control. This setting appears on the digital display.

**Manual Operation** - In this mode the damper is manually controlled and forces 1/3 or 2/3 of the maximum air flow capacity.

Setting this operating mode is done by pressing the fan/damper button on the remote control.

**Turbo Operation** - The dampers operate at maximum capacity, providing maximum air flow to the room.

The Opal Smart Temperature Control System integrated with any Inverter Ducted System will use up to 60% less power when operating in only one room. The Opal ZC107. can control up to 7 rooms + By-Pass. with This system can be switched on/off or restarted You're A/C from your bed.

### System Modes: Closed, Heating, Cooling

The Opal Smart Temperature Control System operates in three (3) modes:

#### Closed

**Heating** - Set with operation mode selector button on the remote control

**Cooling** - Set with operation mode selector button on the remote control

### Timer Options: Start, Stop, Sleep

**Start mode** will set the starting time

**Stop mode** will set the stopping time

**Sleep mode** will set the gradual shut-down time. When in **cooling mode**, the temperature will increase by 1°C each hour until the damper will shut-down according to the time set. When in **heating mode** the temperature will decrease by 1°C each hour until the damper will shut-down according to the time set.

### Technical Data

The remote control includes: internal temperature sensor, digital LCD display, operating button and Identification Code for each damper .

Temperature adjustment range 10°C to 30°C.

Accuracy is ± 1°C.

### Alternative System Configurations

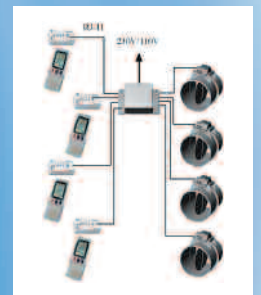
The system enables to connect up to four remote controls and dampers to one power supply box C315-1 and thus provides flexibility and comfort in installation according to the requirements on site. The connections possibilities are detailed as follows:

**One Channel** - Connection of one remote to one Power Supply Box C315-1 and one damper.

**Four Channels (Zones)** - Connection of up to Four remote controls to one Power Supply Box C315-4 and up to four dampers.

### ADDITIONAL SYSTEM CONTROL AVAILABLE

OPAL 650 DD  
- Flush Mount Room thermostat



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