



Eco-Smart, Inc.

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Solar Air Conditioning - Ducted

New Ducted Blower SDB-D series

- **Compact Design*** The lower height of the unit in the new SDB-D series allows for easy installation and can cater for low ceiling space installation.
- Patented twin coil design for SDB200D2 to SDB500D4. *
- Enlarged evaporator and condenser coil to enhance heat exchange process. *
- Large fan used with a lower rpm for a low noise outdoor unit *

*Applicable to SDB-D series only



Network Control (OPTIONAL) With the Network Interface Module (NIM), all your air conditioning systems can be controlled with just a single controller * giving you boundless benefits:

- Ultimate convenience. No more individually controlling air conditioning units
- Quick and easy zone control from the master control unit
- Better control of air conditioning systems operating conditions

* Based on Global Control Hub

Basic features:

- Configure air conditioner systems in a master and slave network
- A single master unit can control up to 15 slave units in each group
- Supports up to 256 groups on a single communication bus
- Each slave unit will sense their individual local temperature
- Easy settings for master and slave units
- Wired LCD control panel for master unit
- Wired LED or LCD control panel for slave units
- 7 days programmable timer
- Error Indication

For better system management, the Global Control Hub offers comprehensive control.

Features:

- Easy to operate full graphical user interface
- Control online units globally, as a group, or as individual units
- Configure a super master unit.
- Supports up to 42 on/off timers per week
- Real time monitoring of online units
- Error type and unit ID indication
- Data logging and printing ability
- Login protected by password

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Network control can also be integrated to other models such as wall mounted, ceiling exposed, ceiling cassette and ceiling concealed split systems.

TYPICAL BUS STRUCTURE FOR NIM NETWORK

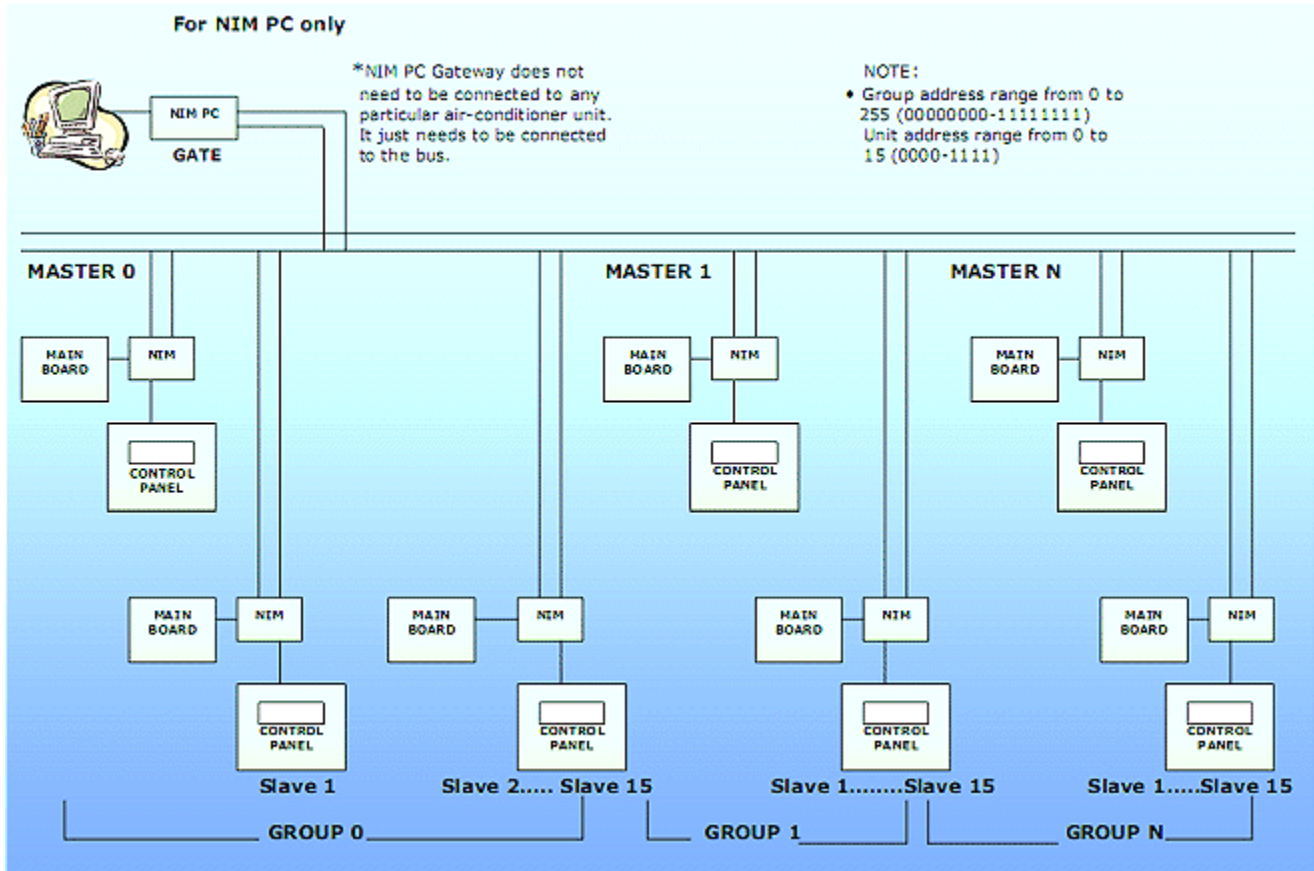


Figure 1

Sequential Control (OPTIONAL)

Features:

- Sequential control and balance loading for 2 to 4 Compressors system (Figure 1)
- Selectable stage differential temperature: The differential temperature is the temperature difference between turning on or off 1 compressor to another compressor in the thermostat cycle and it can be selected between 0.5°C and 1.5°C depending on the number of compressors in the system.
- Energy saving mode
- Self diagnostic function with error codes
- Memory backup
- Auto random restart
- Anti-freeze protection
- 7 days programmable timer
- Wired LCD control panel

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Sequential Control (Continued)

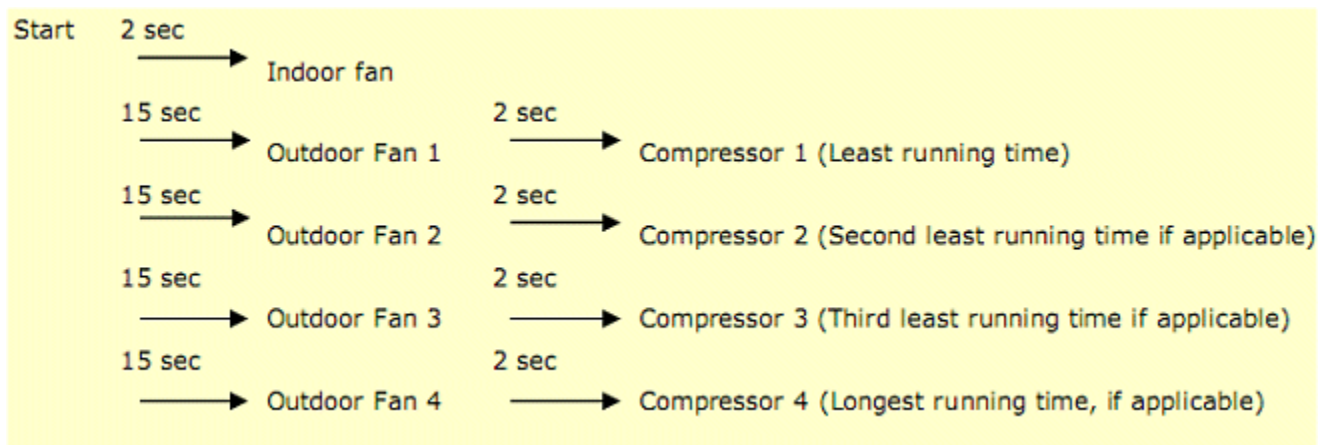


Figure 2: Sequence (cold start) for indoor fan, outdoor fan and compressors for 4 compressors. During shut down of compressors, the reverse sequence will take place where the compressor with the longest running time will shut down first and followed by the compressor with the second longest running time. With this, the compressors in the air conditioning system will have balance loading and this will enhance the reliability of the system.

Optional soft starter switchboard is available. Subject to availability and upon special request.

AAF filters (OPTIONAL)

AmerTex® R-series:

- Exclusive bonding technology provides cleaner air
- Low resistance to airflow
- High dust holding capacity
- Synthetic fibre material
- Washable
- Complete with aluminum frame
- R-15 media with 75-80% arrestance for model ADB-D Series
- R-29 media with 80-85% arrestance for model ADB-B series (Model ADB 125B-750B5)