



9 April 2015

SERVICE NEWS



DAIKIN Australia PTY. LTD

After Sales Service Department

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No. DASN15-003-D-01

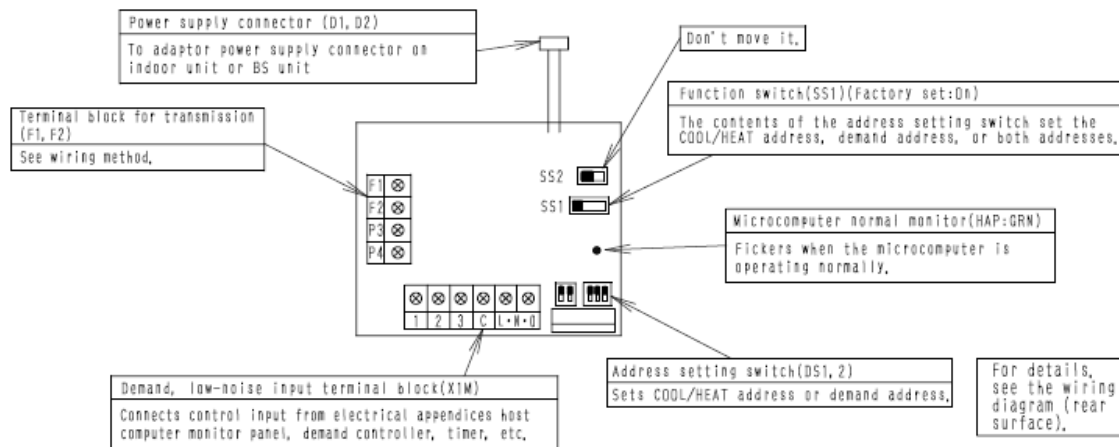
SUBJECT	Demand control adaptor card (large ducted) – wiring & setup advice
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MODEL	DTA104A61 to “Energex” (QLD) Peak Smart device
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Daikin Australia Service would like to offer the following installation advice regarding the use of the demand control optional adaptor card with our large Australian ducted models. Specifically, this advice relates to the wiring between the Daikin demand control optional adaptor card and the energy providers DCSR (Demand Control Signal Receiver) device and brings attention to the field setting requirements to ensure the power limitation matches the local authorities rules. This advice is to be used in conjunction with both the “Daikin” and “Energex” device installation manuals.

Demand adaptor device overview:

2 Names of parts and functions



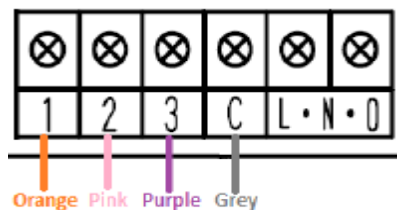
Wiring instructions between the demand adaptor and DCSR devices:

Demand input terminals (on Daikin device)

Wire colour from the Demand Control Signal Receiver (DCSR)

- 3
- 2
- 1
- COM (common)

- Purple
- Pink
- Orange
- Grey



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Device modes of operation:

Demand input terminal

Short circuit between (Demand 1) - (C)...As a guideline, demand should be about 70%.

Short circuit between (Demand 2) - (C)...As a guideline, demand should be about 40%.

Short circuit between (Demand 3) - (C)...Forced thermo OFF

Specific field settings (performed within the outdoor unit):

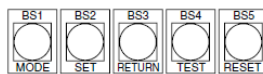
■ Setting by push button switches

The following settings are made by push button switches on PCB.
In case of multi-outdoor unit system, various items should be set with the master unit.
(Setting with the slave unit is disabled.)

The master unit and slave unit can be discriminated with the LED display as shown below.

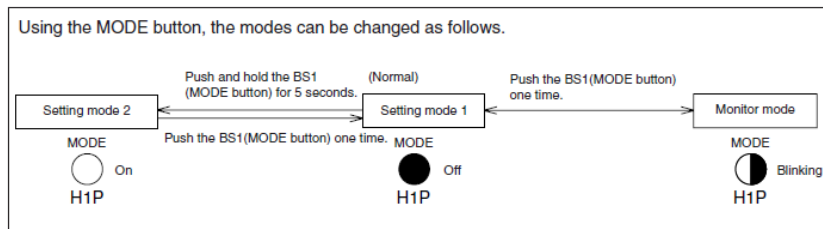
	MODE H1P	TEST H2P	COOL/HEAT select			Low noise H6P	Demand H7P	Multi H8P
			IND H3P	MASTER H4P	SLAVE H5P			
Single-outdoor-unit system	●	●	○	●	●	●	●	●

(Factory setting)



1. Enable demand control:

Using the field setting binary LED indicators and push buttons, access "setting mode# 2". To do this, hold down the "mode" button (BS1) for five (5) seconds or until LED H1P is "on solid":



Then within setting mode#2, access setting number# 12 by carefully pressing the "set" button twelve (12) times:

No.	Setting item	Setting item display						
		MODE H1P	TEST H2P	C/H select			Low noise H6P	Demand H7P
				IND H3P	Master H4P	Slave H5P		
12	External low noise/ demand setting	○	●	●	○	○	●	●



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After confirming correct access to setting# 12 (H4P & H5P LEDs should be lit solid), press the return button once which should reveal the following LED display pattern (H7P on) indicating that the external demand feature is currently “off” (factory setting):

MODE H1P	TEST H2P	COOL/HEAT select			Low noise H6P	Demand H7P
		IND H3P	MASTER H4P	SLAVE H5P		

External low noise/demand:
NO

○ ● ● ● ● ● ○ *

Now change the setting – press the “set” button once to move the illuminated LED from H7P to H6P which will turn the demand feature “on”:

MODE H1P	TEST H2P	COOL/HEAT select			Low noise H6P	Demand H7P
		IND H3P	MASTER H4P	SLAVE H5P		

External low noise/demand:
YES

○ ● ● ● ● ○ ●

Once you have the correct pattern as above confirm this new setting by pressing “return” twice which will take you back to the start of setting mode# 2 (H1P lit solid only):

Setting mode 2

MODE

○ ON

H1P

Now press the mode button once to return to setting mode# 1 (H3P on) which is the state we will leave the machine in (normal operation):

MODE H1P	TEST H2P	COOL/HEAT select			Low noise H6P	Demand H7P
		IND H3P	MASTER H4P	SLAVE H5P		
●	●	○	●	●	●	●

During future operation, the machine will indicate if it is under demand limitation control by displaying LED H7P “on solid” while the limitation request is active.