Smart Temp Australia

Intesis Adapter Kit Manual

To suite

SMT-775 Inspire Touch

and

SMT – 850 Halo

Ver 1.3

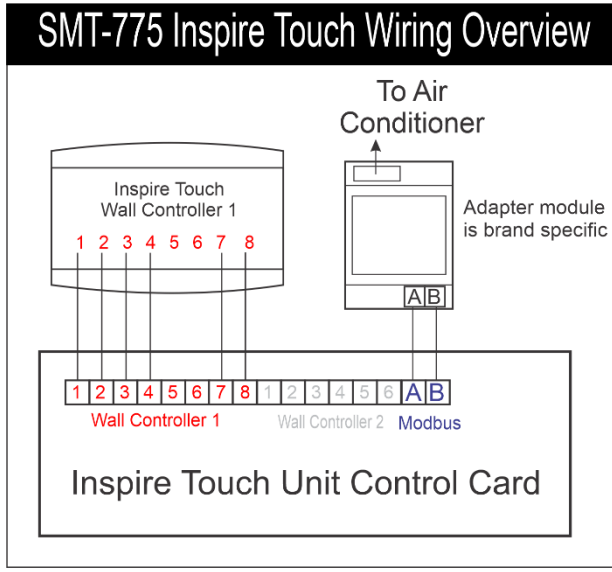
Smart Temp use third party adapters made by Intesis ™. These adapters accept standard ModBus heating and cooling (etc) commands sent from Smart Temp devices and convert these ModBus commands to the language recognised by the Inverter Air Conditioner.

The Smart Temp SMT-775 Inspire Touch and the Smart Temp SMT-850 are also able to control many brands of Inverter style Air Conditioning systems as well as traditionally wired air conditioning systems by using a third-party adapter module.

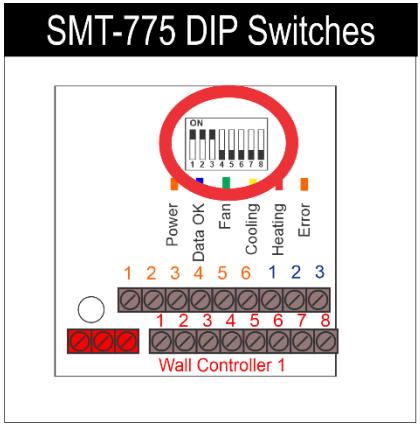
Smart Temp can supply a Smart Temp manufactured adapter module for Daikin ™ branded air conditioning systems that use the P1 P2 terminals. Smart Temp also supports the Intesis™ branded adapter module suitable for

All brands of Intesis™ adapters connect to the Smart Temp SMT-775 Inspire and the SMT-850 Halo product in an identical manner. The Smart Temp manufactured Daikin adapter will be supplied with its own manual.

The following pages will provide brand specific wiring and set up information.

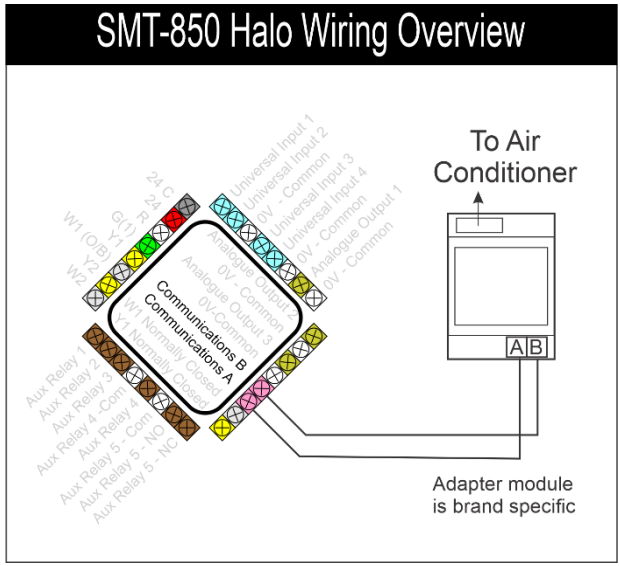


On the SMT-775 Inspire Touch you must set DIP 1 2 3 to on. (Dip 4 ~8 off).



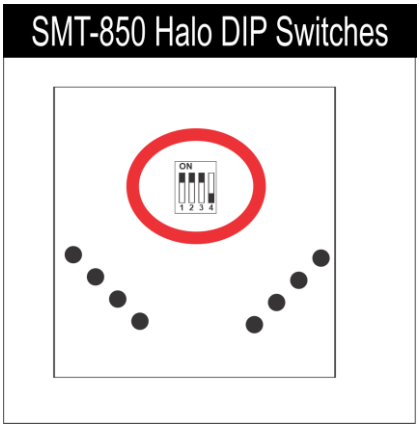
Enter the Inspire Touch installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Tap the Modbus Tab at the top of the screen. Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. (Parity and stop bits are locked)

Set Decidegree (x10) to the value given in the following diagrams for the adapter you are using.



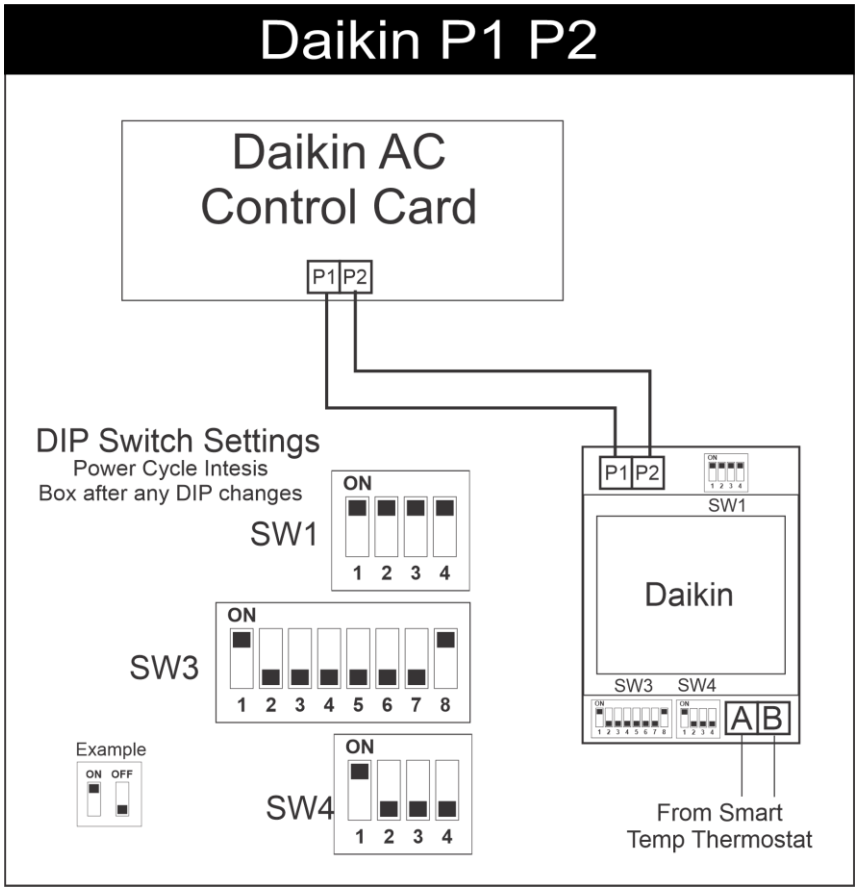
On the SMT-850 Halo you must set DIP 1 2 3 to on. (Dip 4 ~8 off).

Switches located on the PCB between the 32 connector pins in the centre of the thermostat electronic PCB.



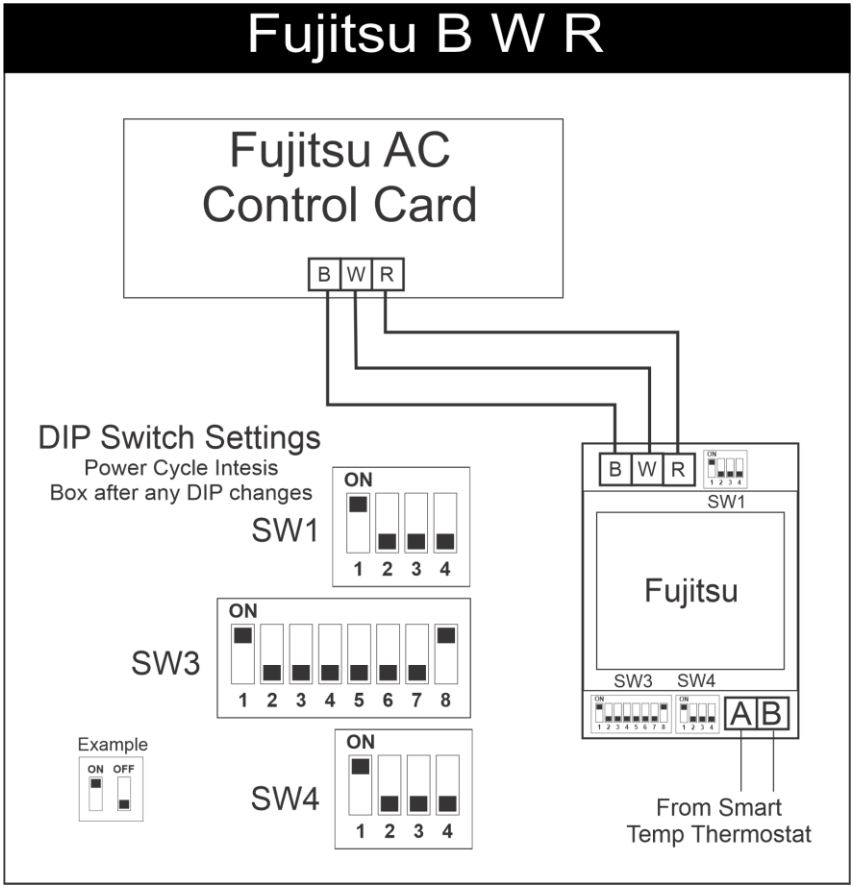
Enter the Halo installer menu (PIN 8815) and tap the Modbus Tab at the left of the screen. Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. (Parity and stop bits are locked).

Set Decidegree (x10) to the value given in the following diagrams for the adapter you are using.



In Daikin Controller - Using the Daikin wall controller, enter the installer menu and set Mode 20 (remote sensor value), go to code 2 and set it to either 01 or 03 (Use Remote Sensor only). Power cycle the Intesis box after any DIP switch setting changes.

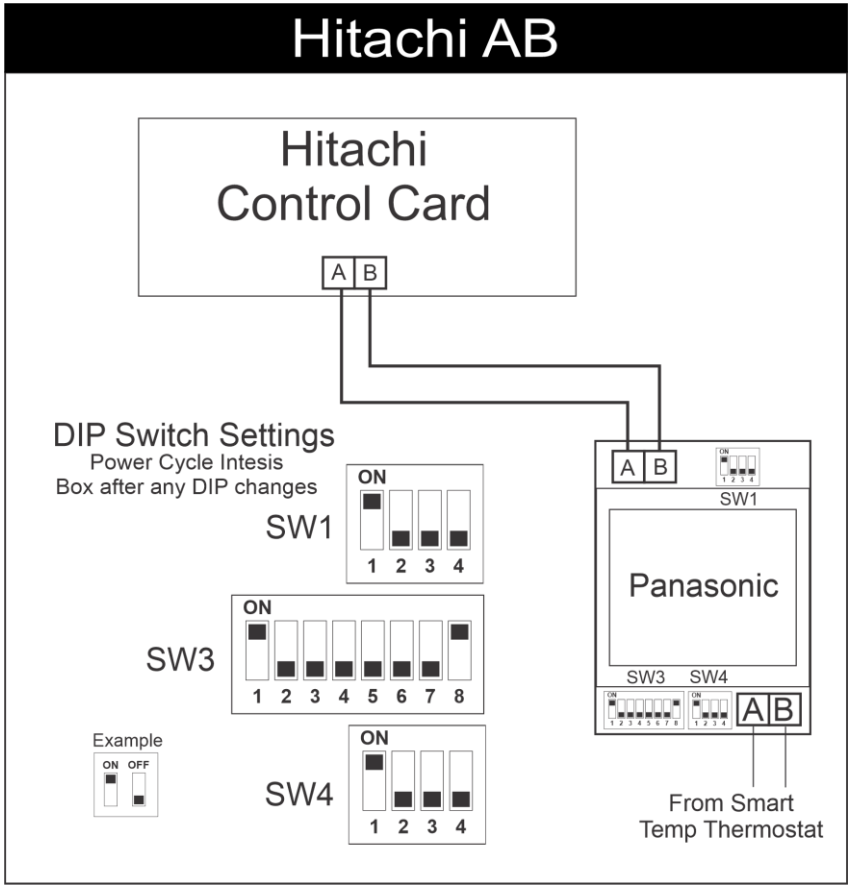
In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



In Fujitsu Controller - Using the Fujitsu wall controller, enter the installer menu and navigate to function 42 (remote sensor value) and set it to 01 (Use Remote Sensor only).

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right "Next Page" arrow twice). Set Modbus mode to "IntesisBox". Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES

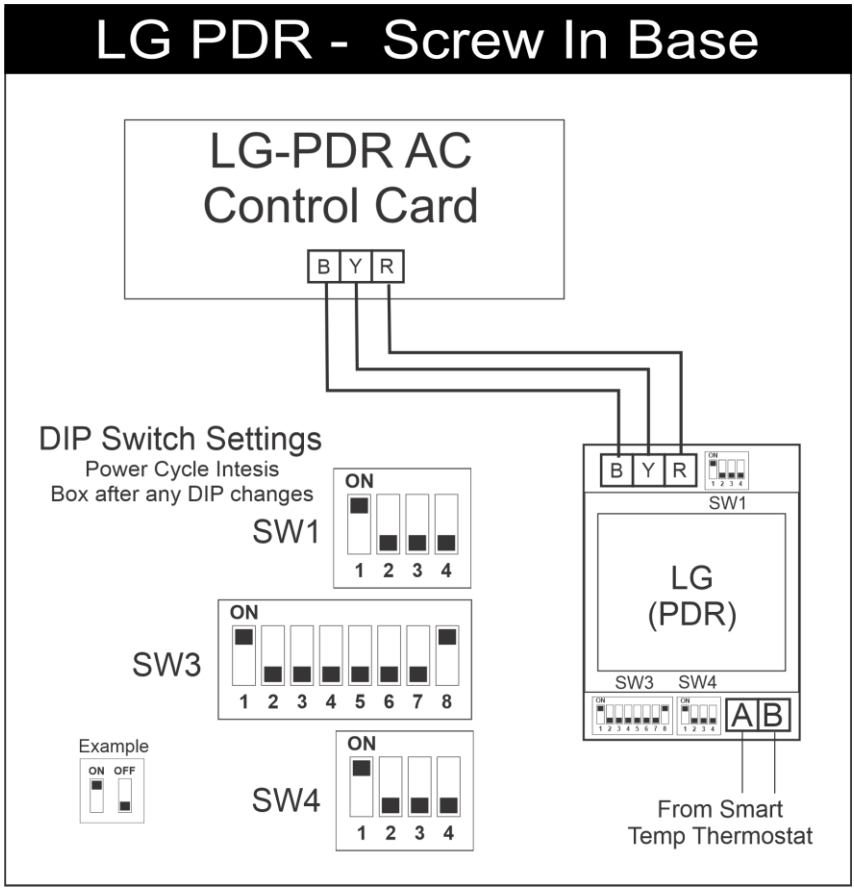
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



In Hitachi Controller - Using the Hitachi wall controller, enter the test Run menu and navigate to thermistor selection option and select “Thermistor of remote control” is used.

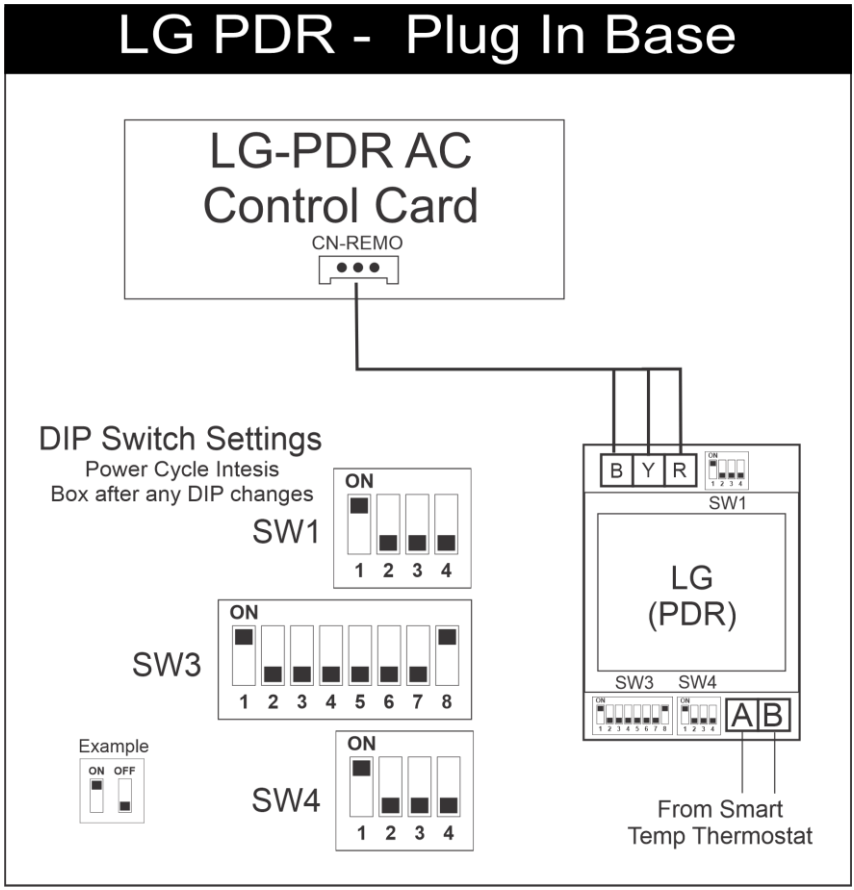
In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES

Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



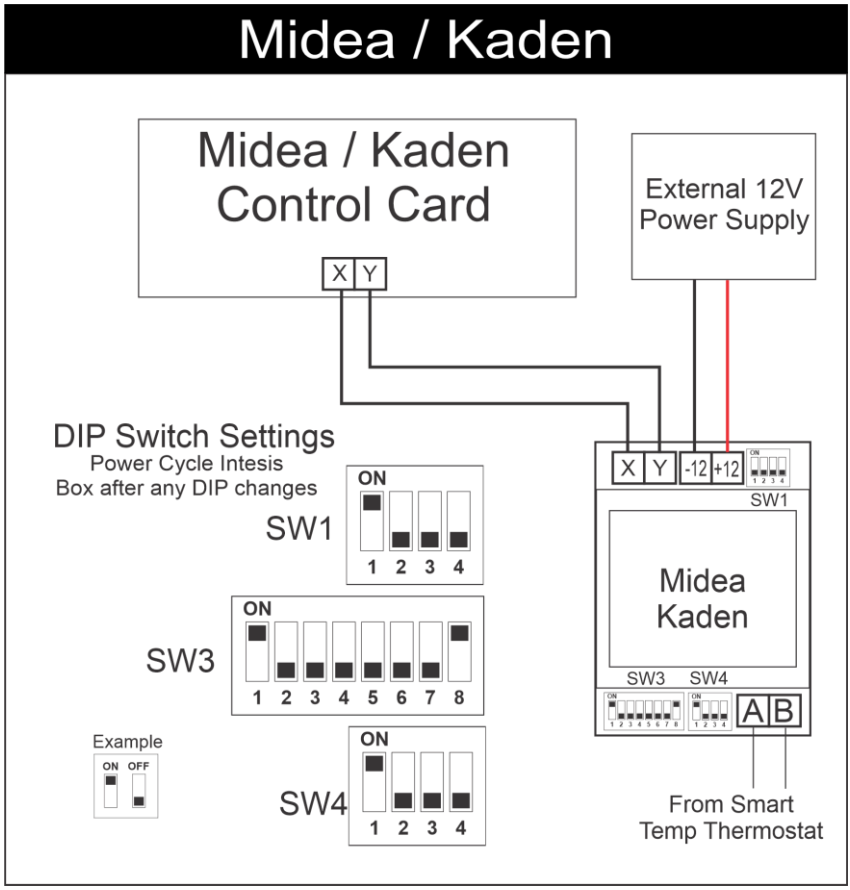
In LG Controller - Using the LG wall controller, enter the sub-Function menu and navigate to “Function Settings”.
Set thermistor mode to “Remote Controller Temperature Sensor”. REMO.

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



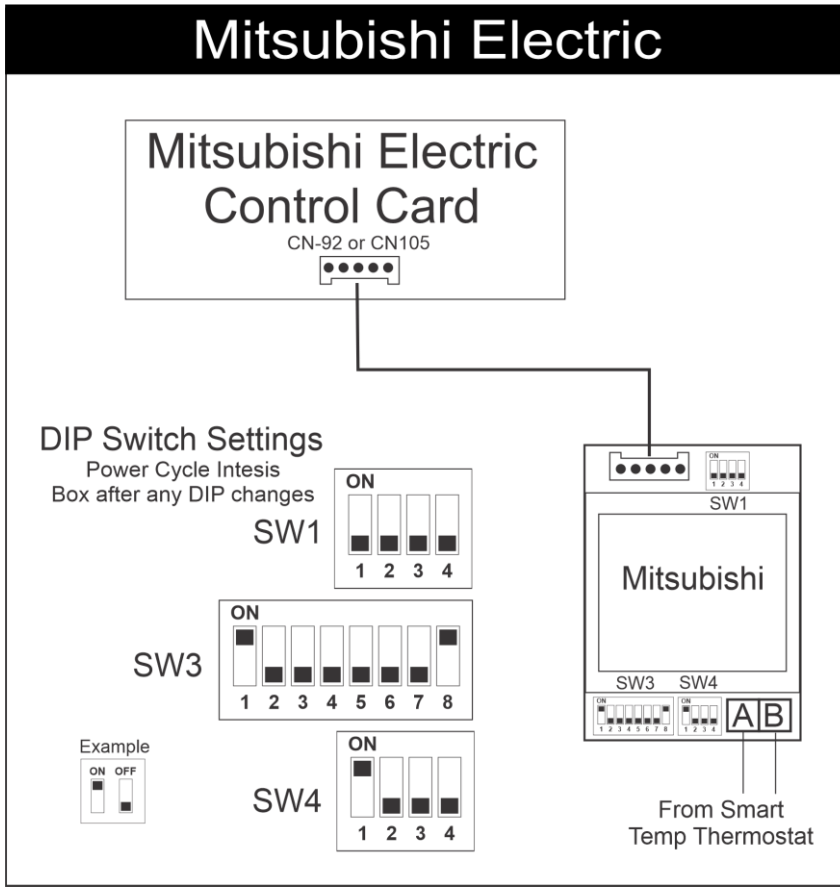
In LG Controller - Using the LG wall controller, enter the Installer menu and navigate to Code 04. (Room Temperature Sensor). Set the value to 01. (Remote Control Temperature Sensor).

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right "Next Page" arrow twice). Set Modbus mode to "IntesisBox". Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



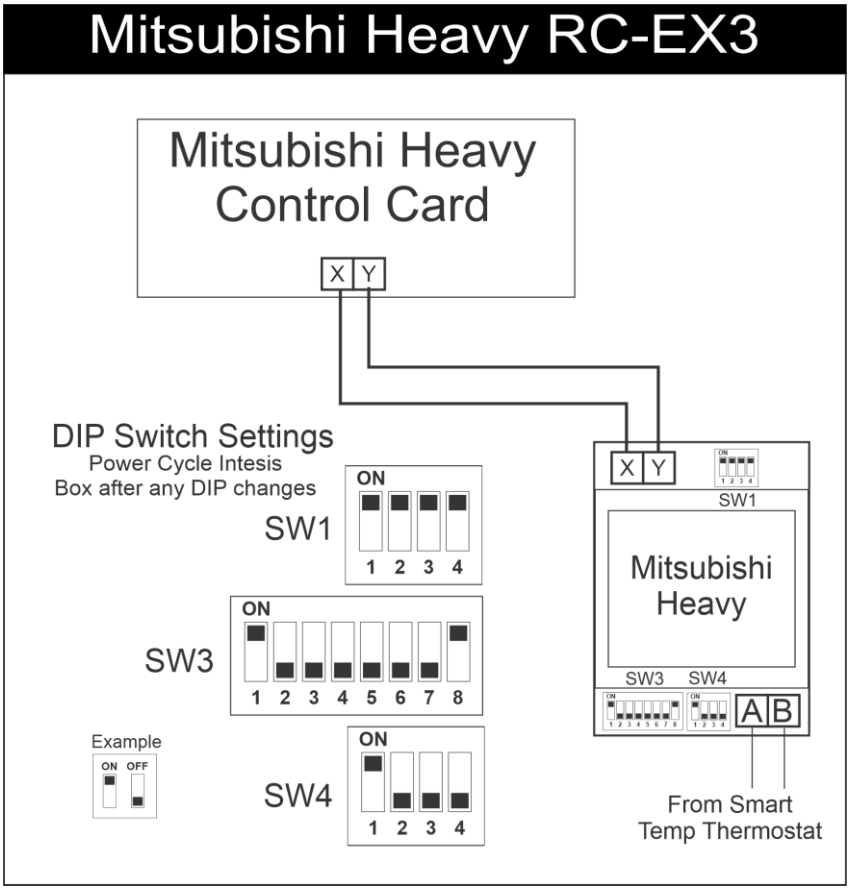
In Midea Controller - Using the Midea wall controller, enter the Installer menu and navigate Room Temperature Sensor location. Set the value to Remote Control Temperature Sensor.

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Deci degree (x10) = YES.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



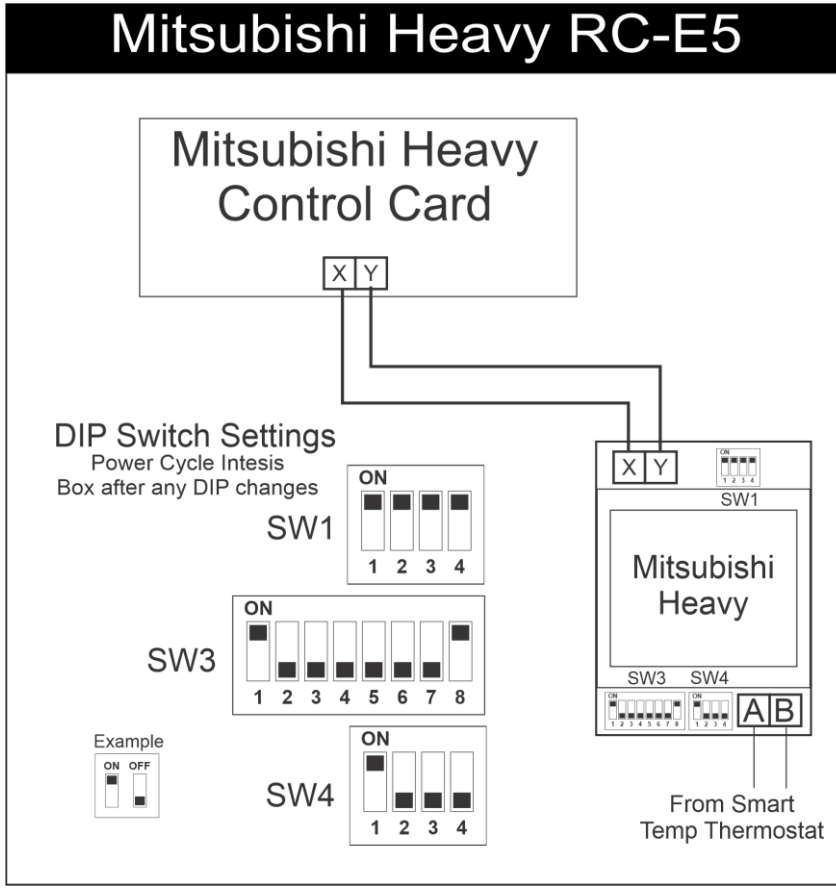
In Mitsubishi Electric Controller - Using the Mitsubishi Electric wall controller, enter the Installer menu and navigate to mode 02. (Room Temperature Sensor). Set the value to 02. (Thermistor on indoor unit). New Mitsubishi #1 Sw 1 On & #8 Sw3 on.

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = NO.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



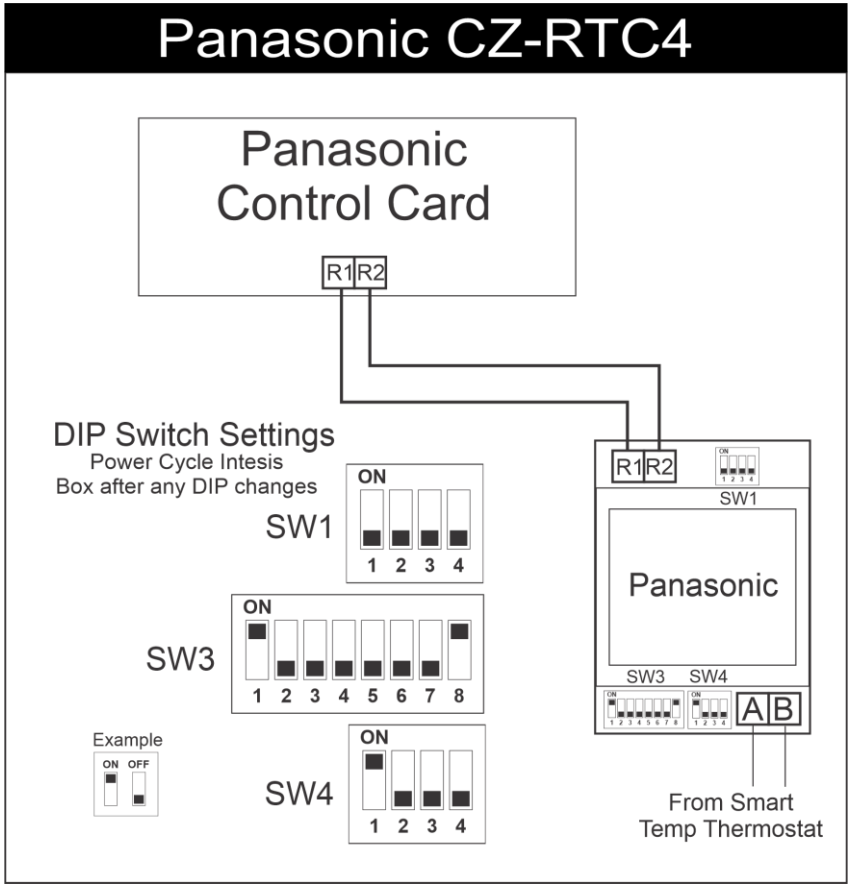
In Mitsubishi Heavy Controller - Using the Mitsubishi controller, enter the Installer menu and navigate to R/C Function settings. In R/C function settings navigate to R/C settings. In R/C settings select Enable Option. (Enable wall control sensor to be used).

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



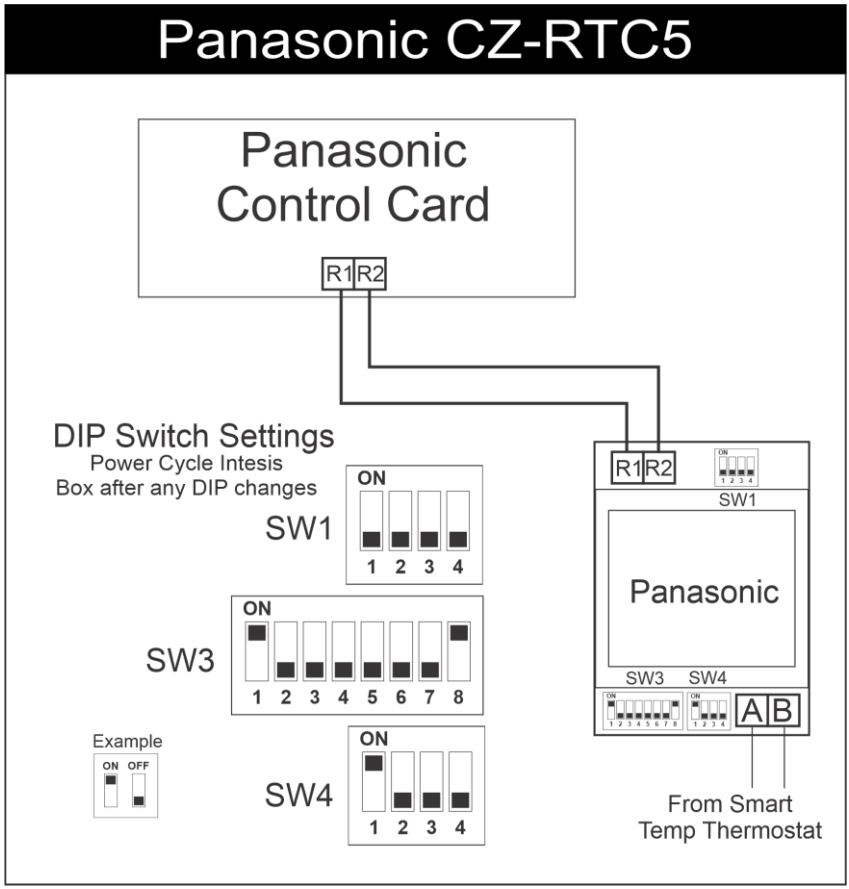
In Mitsubishi Heavy Controller - Using the Mitsubishi RC-E5 controller, enter the Installer menu and navigate to function 09, (Set Sensor). Choose “Sensor ON”. (This will enable the wall control sensor to be used).

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = YES.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



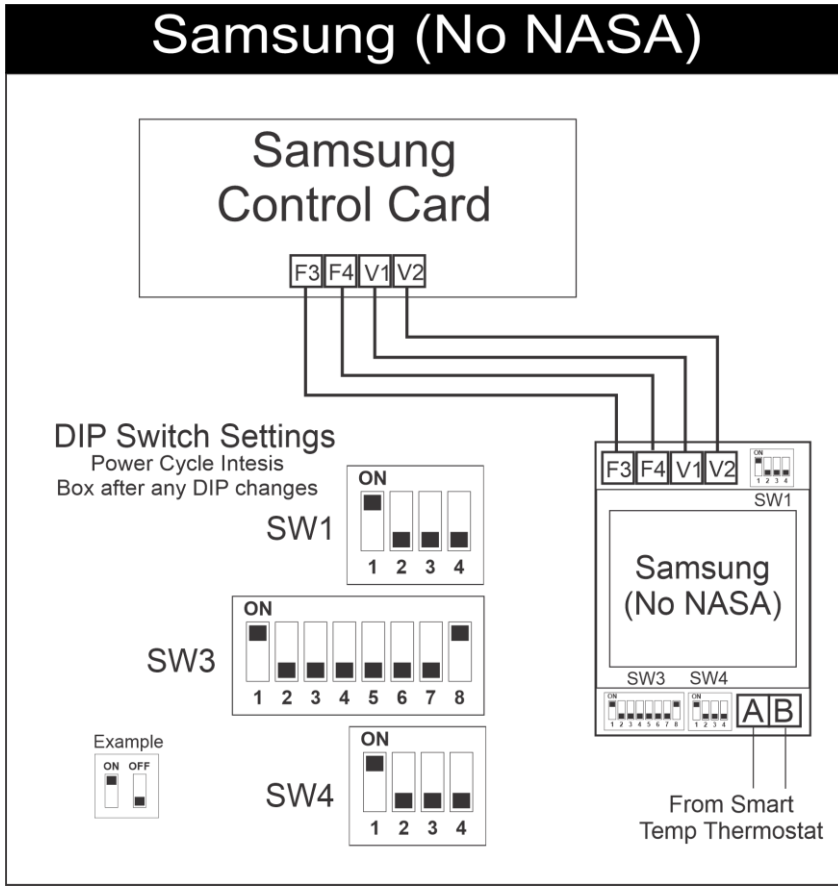
In Panasonic CZ-RTC4 Controller – In the indoor unit settings menu, set item 32 to 0000. (This will enable the wall control sensor to be used).

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = NO.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



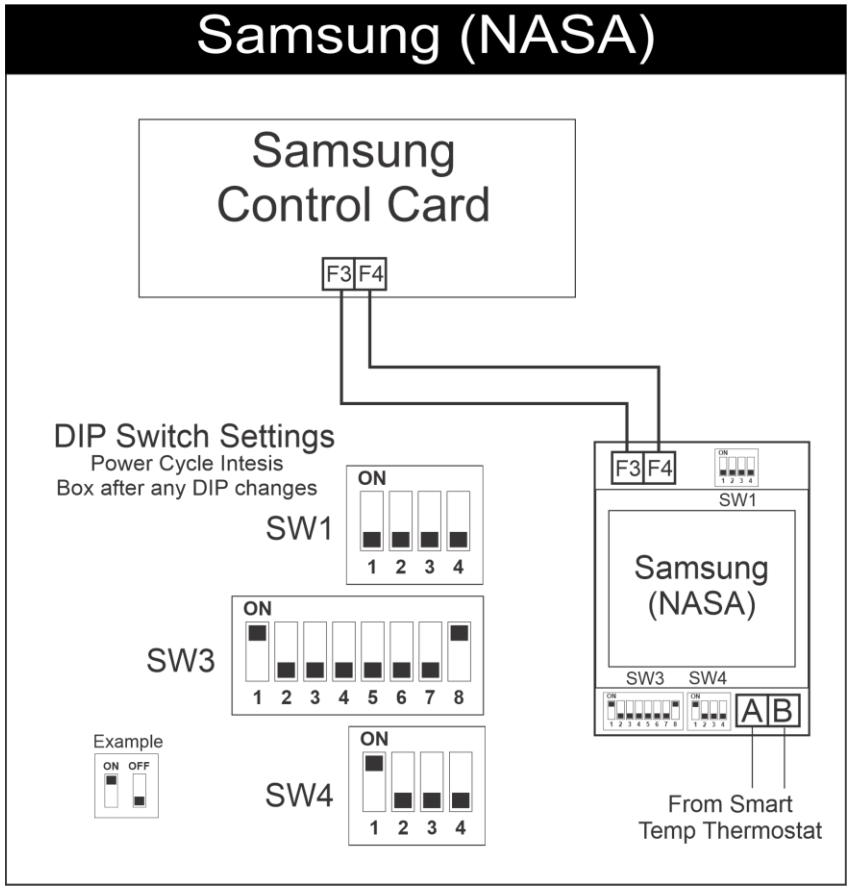
In Panasonic CZ-RTC5 Controller – In the indoor unit maintenance settings, navigate to RC setting menu. Select item 32 and set its value to 0000. (This will enable the wall control sensor to be used).

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = NO.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



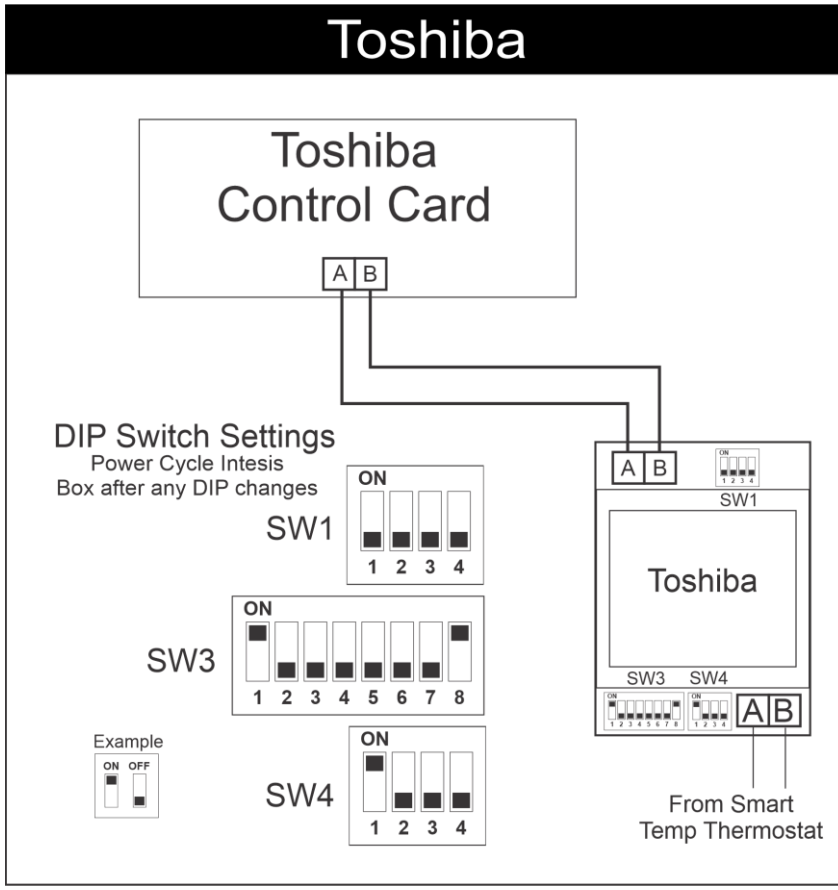
In Samsung MWR-WE Controller – Navigate to menu item 1 on the wall controller. In Menu item 1, go to sub menu 2. In sub menu 2 go to temperature sensor selection. Set the value of 1 - this will use the temperature sensor in the wall controller.

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right "Next Page" arrow twice). Set Modbus mode to "IntesisBox". Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = Yes.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



In Samsung MWR-WG Controller – Navigate to general menu, then to indoor unit option. In indoor unit option menu navigate to temperature sensor selection. Select “wired remote Controller” - use the temperature sensor in the wall controller.

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = NO.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)



In Toshiba Controller – Navigate to Field settings, then to DN Settings. In DN settings navigate to DN 32 and set this value as 0000. -Use the indoor unit sensor.

In Inspire Settings - Enter installer menu (PIN 1234) and navigate to Modbus Tab (Tap bottom right “Next Page” arrow twice). Set Modbus mode to “IntesisBox”. Set Adress is 1, Baud Rate is 9600. Set Decidegree (x10) = NO.
Inspire DIP 1, 2 & 3 should be on. (4 to 8 off)

Tech Support

For technical support please email support@smarttemp.com.au or telephone +613 97630094.

Diligence

All care has been taken in the preparation of this document. Smart Temp however will not be held liable for damages for errors or omissions in this document. It is up to the installer to ensure that the equipment is installed in accordance with the respective manufacturer requirements and recommendations.

If you notice errors or have find this manual difficult to follow. Or you feel is misleading or inaccurate please send an email to admin@smarttemp.com.au and detail your concerns so that we may correct any issues found promptly.

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