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Issue No.: 01/15
 Date: 6th March 2015
 From: T King

Subject: CONNECTING ALTERNATIVE THERMOSTATS (NON-COMMUNICATING CONTACT SWITCHING TYPE)
 Units: OPA 116-201 c/w UC7 and 24V relays removed and ISD/OSA 116-224 with IUC/UC8

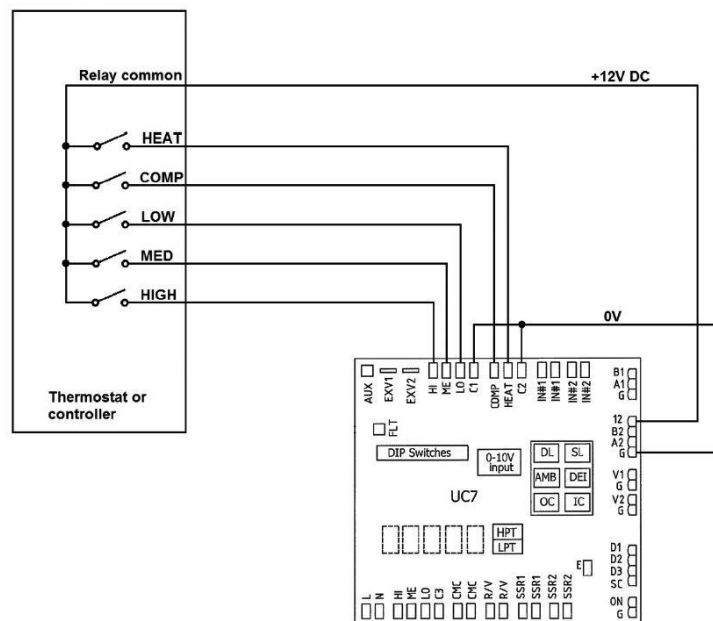
Recently it was decided to remove the 24 volt control relays from the small over/under OPA range of units containing UC7 unit controllers as they were seemingly superfluous to requirements.

As a result it may have become a little confusing when making the electrical connections and using a conventional thermostat.

The connections that were previously made to a terminal block labelled HOT 24V, COM 24V, COMP 24V, HEAT 24V, LOW IN 24V, MED IN 24V and HIGH IN 24V will now be made directly to the UC7 unit controller PC board.

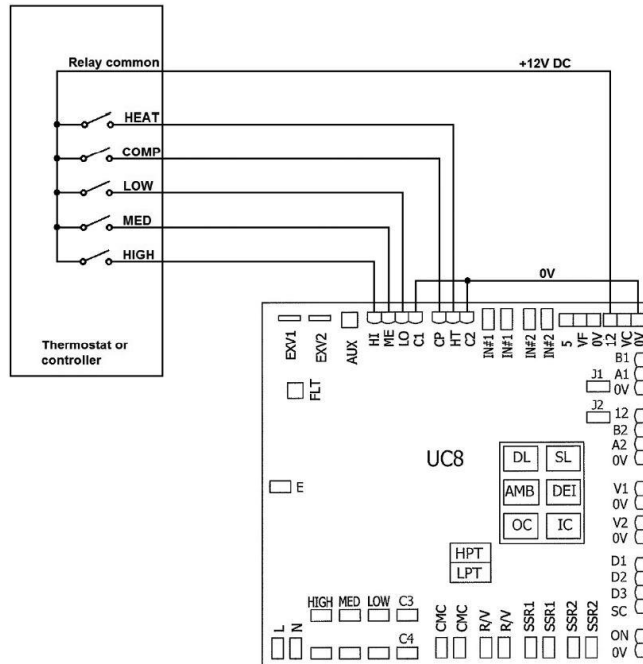
The wiring method is shown below:

Connecting a thermostat or other controller to the UC7 using 12V DC control signals.



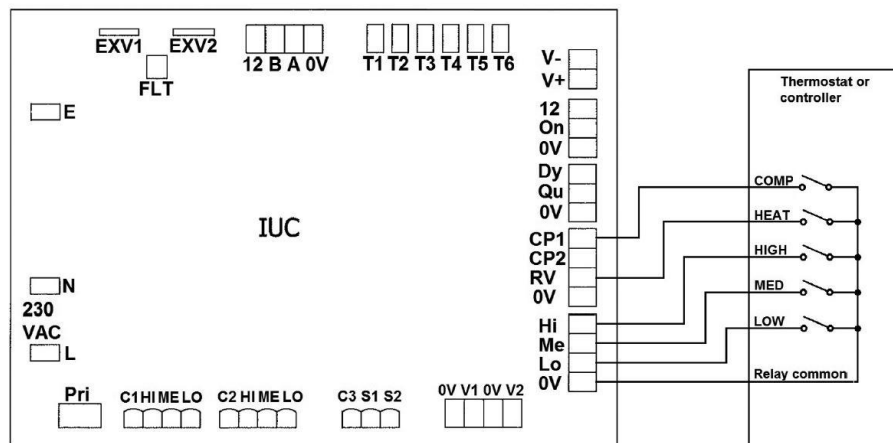
The same wiring detail will also apply to the new 2015 range of OSA split system units utilizing the UC8 Unit Controller, however, the terminal shown above labelled as 'G' is labelled '0V' on the UC8 (refer diagram overleaf).

Connecting a thermostat or other controller to the UC8 using 12V DC control signals.



The new range of ISD/OSA units will also have the option of an alternative thermostat being connected to the IUC (Indoor Unit Controller) on the indoor unit instead of the outdoor unit. The wiring is similar but the layout is somewhat different and is shown below:

Connecting a thermostat or other controller to the IUC.



Connection to 0V on this diagram is not an error.

NOTE: DO NOT try to connect an alternative thermostat to both the IUC on the indoor unit and the UC8 on the outdoor unit. It is one or the other not both.