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1st February 2016

Operational Modes for FSC-10A Fan Speed Controller. PCB-229. Check Sum 3CF0

COOL MODE:

240 Volt input to C-IN only - LED 2 – ON

HEAT MODE:

240 Volt input to C-IN - LED 2 – ON
240 Volt input to RV-IN – LED 3 - ON

3 Modes of Operation - STANDARD – CONSTANT – WARM UP

STANDARD OPERATION:

Dip 1 OFF
Dip 2 OFF
Dip 3 OFF
Dip 4 OFF

In COOL Mode: Fan speed will modulate with variation in outdoor coil temperature. The fan will cycle off when outdoor coil temp is below 37°C and not restart until coil temperature increases to 38°C

In HEAT Mode: Fan speed will modulate with variation in outdoor coil temperature. The fan will cycle off when outdoor coil temp above 18°C and not restart until coil temperature falls to 17°C

CONSTANT OPERATION:

OPTION 1.

Dip 1 OFF
Dip 2 OFF
Dip 3 OFF
Dip 4 ON

In COOL Mode: Fan speed will modulate with variation in outdoor coil temperature when coil temp is above 38°C. Below 37° coil temperature the fan will continue to run at low speed.

In HEAT Mode: Fan speed will operate as per **STANDARD** Mode.

CONSTANT OPERATION:

OPTION 2.

Dip 1 OFF
Dip 2 ON
Dip 3 ON
Dip 4 ON

In COOL Mode: Fan speed will modulate with variation in outdoor coil temperature when coil temp is above 38°C. Below 37° coil temp. the fan will continue to run at low speed.

In HEAT Mode: Fan speed will modulate with variation in outdoor coil temperature when coil temp is below 17°C. Above 18°C coil temperature the fan will continue to run at low speed.

WARM UP OPERATION:

IN COOL MODE ONLY

Dip 1 ON
Dip 2 OFF or ON
Dip 3 OFF or ON
Dip 4 OFF

On each 240volt input to C-IN (with each compressor start) the fan will hold off until the outdoor coil temperature reaches a predetermined **set point**. The fan will then start at its lowest speed for 15 seconds at which point the fan speed will then start to modulate according to coil temperature. Should the coil temperature drop below 37°C due to low ambient, the fan will stop and not restart until coil temperature reaches 38°C

There are 4 different **set points** which are field selectable via Dips 2 & 3 as follows:-

Dip 2 ON	Dip 3 ON	=	41.0°C	Dip 2 OFF	Dip 3 ON	=	44.0°C
Dip 2 ON	Dip 3 OFF	=	42.5°C	Dip 2 OFF	Dip 3 OFF	=	45.5°C

In HEAT Mode: Fan will operate as per STANDARD Mode.