

Notes on this example:

- 1) No Neutral or Live looping on fan, valve or heater terminals. 230V can however be connected to terminal 19 for output on terminal 18.
- 2) Room unoccupied (open contact), places controller in unoccupied mode. (Bridge 10/11 if not in use and AV 36 Mode Value = 0)
- 3) Discharge air temperature is measured for report back on the BMS.
- 4) If the return air temperature sensor is not installed room temperature is measured at the wall unit.
- 5) Analog input for use by the BMS.
- 6) VF contact between 18 and 19. Closed when fan is running.

References: MM2Q31 (controller doc.), MK2Q11 (wall unit doc.) and MM2BACQ12 (BACnet doc.)



MM2BA30 fan coil controller

BMS	BACnet	01/02/03
Wall unit	MK2A25 with temp.sensor	04/05
Temp 1	Return air. Optional (will be dominant)	06/07
Temp 2	Supply water temp	08/09
Input 1	Occupancy (must be bridged if not used)	10/11
Power out	24V DC to power occupancy sensor	12
Input 2	12V DC. Controller switches off when high	13/14
0-10V	0-10V output - minimum to 100% fan speed	16/17
relay out	Voltage free contact. Closed when fan is running.	18/19
Triac out	Valve 230V AC (on/off)	20/21
relay out	Heater 230V AC (on/off) 1,5kW, max 2kW	A/B
Power in	230V AC	C/D

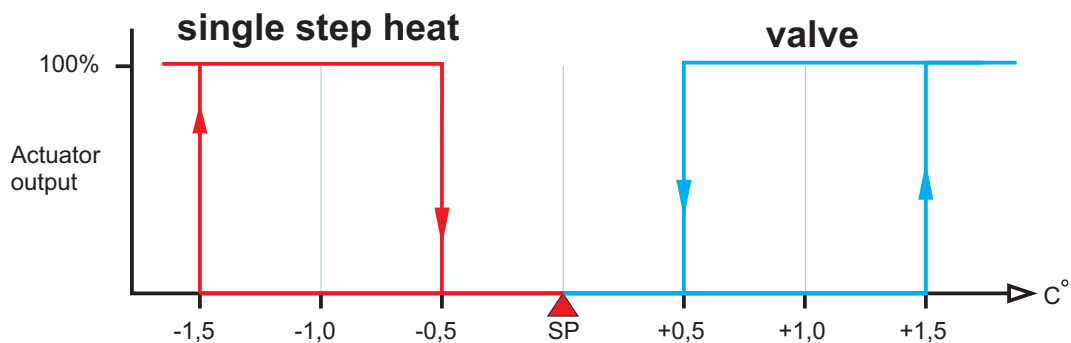
Note:

Sensor input to terminals 10/11 must be a voltage free contact.
24V DC available to power sensor.

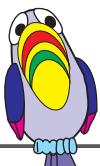
Occupancy input (AV 36 Mode = 0) closed = room occupied.
Fan only (AV 36 Mode = 1) closed = fan only. No heating or cooling.
On/Off (AV 36 Mode = 2) closed = unit switches off.
Heater interlock (AV 36 Mode = 3) open = no heating.
Humidistat input (AV 36 Mode = 4) closed = unit does de-humidification.

BACnet doc: MM2BACQ12

Normal control:



For unoccupied and dehumidification control see document MM2Q31 and MM2BACQ12



DEMAN

MM2BA30 fan coil controller