

**MM2BA20 fan coil controller + triac**

<b>BMS</b>	<b>BACnet</b>	<b>01/02/03</b>
<b>Wall unit</b>	<b>MK2A25 with temp.sensor</b>	<b>04/05</b>
<b>Temp 1</b>	<b>Return air. Optional (will be dominant)</b>	<b>06/07</b>
<b>Temp 2</b>	<b>Supply water temp</b>	<b>08/09</b>
<b>Input 1</b>	<b>Occupancy (must be bridged if not used)</b>	<b>10/11</b>
<b>Power out</b>	<b>24V DC to power occupancy sensor</b>	<b>12</b>
<b>Input 2</b>	<b>12V DC. Controller switches off when high</b>	<b>13/14</b>
<b>N</b>	<b>Neutral out to Fan</b>	<b>15</b>
<b>relay 1 out</b>	<b>Fan low. 230V AC 3A</b>	<b>16</b>
<b>relay 2 out</b>	<b>Fan med. 230V AC 3A</b>	<b>17</b>
<b>relay 3 out</b>	<b>Fan high 230V AC 3A</b>	<b>18</b>
<b>Triac out</b>	<b>Valve 230V AC (on/off)</b>	<b>20/21</b>
<b>Power in</b>	<b>230V AC</b>	<b>A/B</b>
<b>12V output</b>	<b>PWM switching of heater triac</b>	<b>2pin</b>

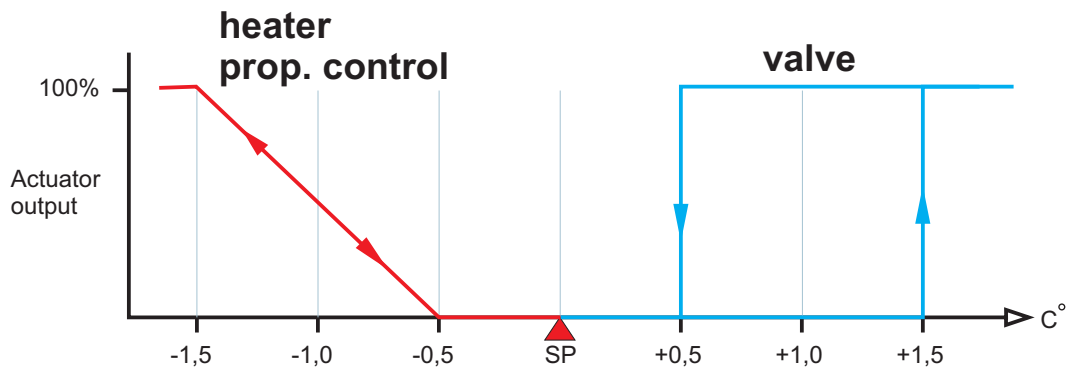
**Note:**

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 MM2Q21 and MM2BACQ12



**DEMAN**

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