

**Notes on this example:**

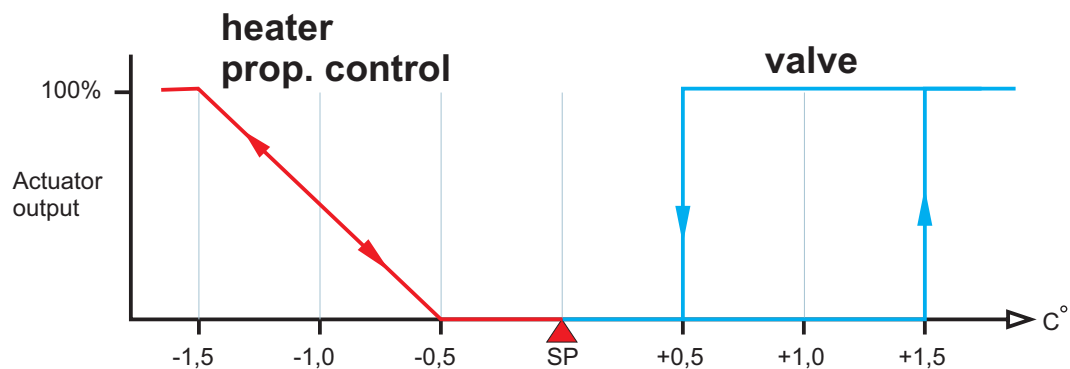
- 1) No Neutral or Live looping on fan, valve or heater terminals.
- 2) Room unoccupied (open contact), places controller in unoccupied mode. (Bridge 10/11 if not in use.)
- 3) Supply water temperature is measured for auto change over - heating or cooling mode. Leave out if cooling water only.
- 4) If the return air temperature sensor is not installed room temperature is measured at the wall unit.
- 5) 12V DC input causes the controller to switch off in an orderly manner.

**References:** MM2Q21 (controller doc.) and MK2Q11 (wall unit doc.)

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
N	Neutral out to Fan	15
relay 1 out	Fan low. 230V AC 3A	16
relay 2 out	Fan med. 230V AC 3A	17
relay 3 out	Fan high 230V AC 3A	18
Triac out	Valve 230V AC (on/off)	20/21
Power in	230V AC	A/B
12V output	PWM switching of heater triac	2pin

**Note:**

Input from occupancy sensor must be a voltage free contact. Closed for occupied. 24V DC available to power occupancy sensor.



**DEMAN**

**MM2A20 fan coil controller**