

**Notes on this example:**

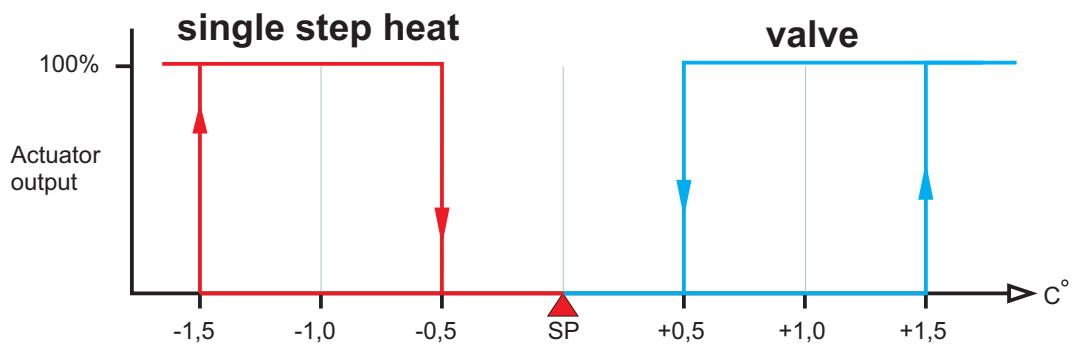
- 1) No Neutral or Live looping on fan, valve or heater terminals.  
230V can however be connected to terminal 19 for output on terminal 18.
- 2) Room unoccupied (open contact), places controller in unoccupied mode.  
(Bridge 10/11 if not in use.) (master unit only)
- 3) Supply water temperature is measured for auto change over - heating or cooling mode. Leave out if cooling water only. (master unit only)
- 4) If the return air temperature sensor is not installed room temperature is measured at the master unit's wall unit.
- 5) 12V DC input causes the controller to switch off in an orderly manner. (master unit only)
- 6) VF contact between 18 and 19. Closed when fan is running.

**References:** MM2Q31 (controller doc.) and MK2Q11 (wall unit doc.) and MM2NETQ10 (local net doc.)

Seri net	Local network. 6 units max.	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:**

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



**DEMAN**

**MM2SA30 fan coil controller**