



KRP413A1S

KRP413A1S connectors & function :

S3-1 and S3-2 (common) = open for cooling, closed for heating

S1-1 (common) and S1-2 = device on in low speed fan when closed

S1-1 (common) and S2-1 = device on in medium speed fan when closed

S1-1 (common) and S2-2 = device on in high speed fan when closed

Use make-before-break to avoid device switching off between speed changes

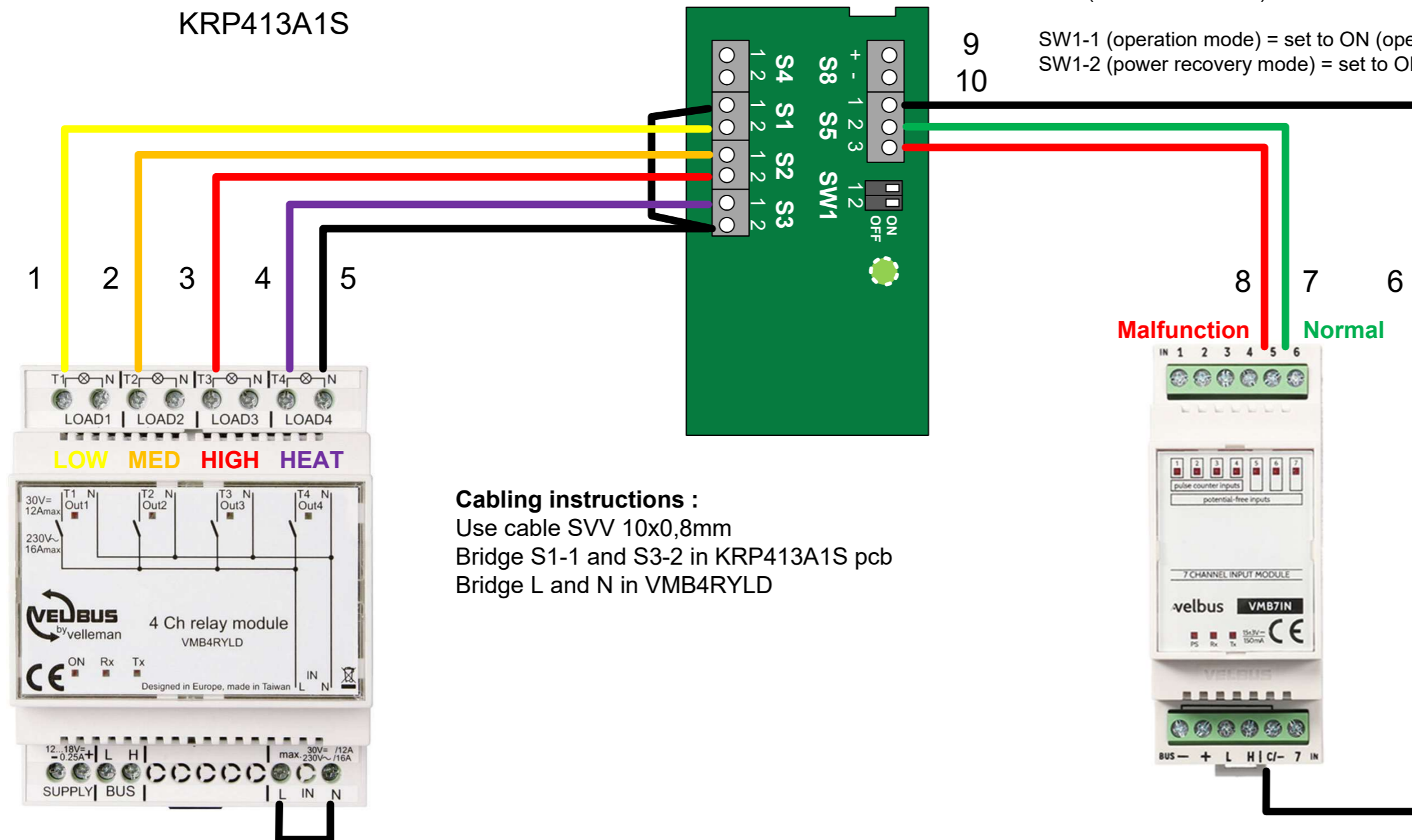
Bridge S1-1 (common) and S3-2 (common) to save a conductor

S5-1 (feedback common) and S5-2 = device in normal operation when closed

S5-1 (feedback common) and S5-3 = device malfunctioning when closed

SW1-1 (operation mode) = set to ON (operation mode 2)

SW1-2 (power recovery mode) = set to ON (unclear explanation, but better than OFF)

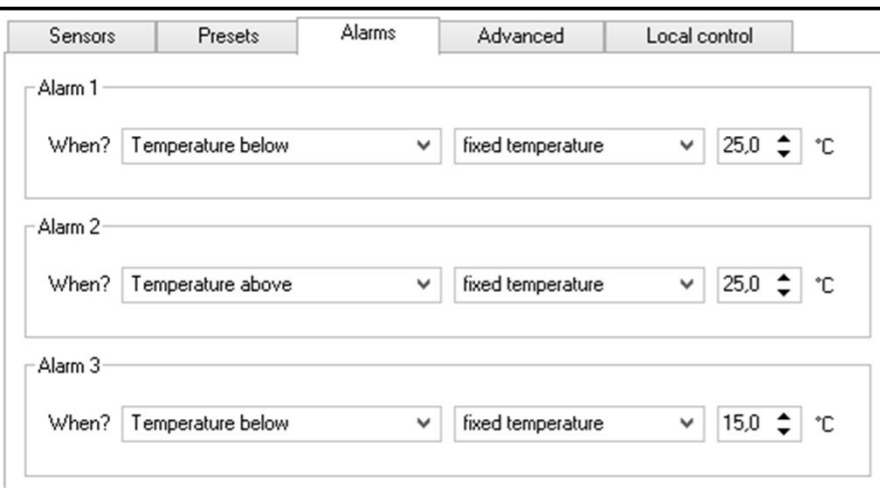
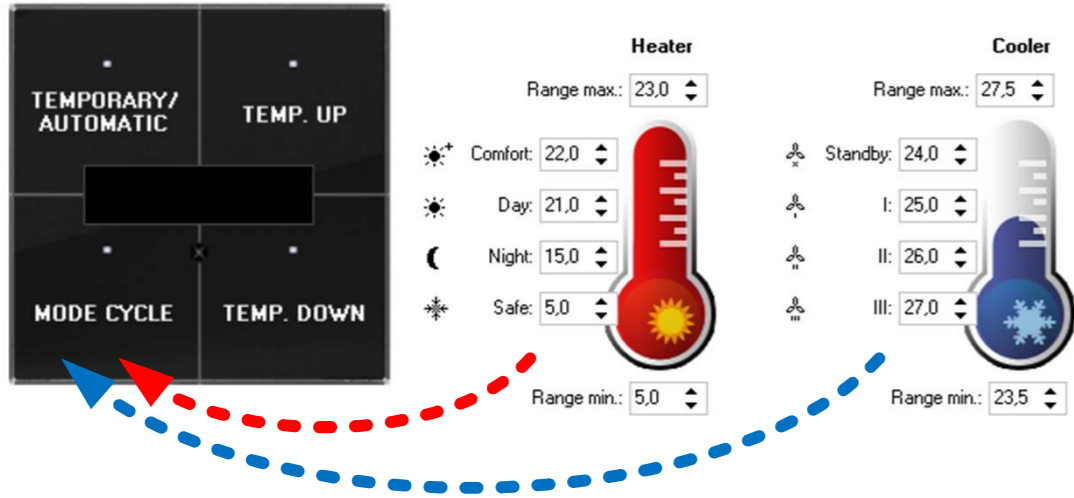


Cabling instructions :

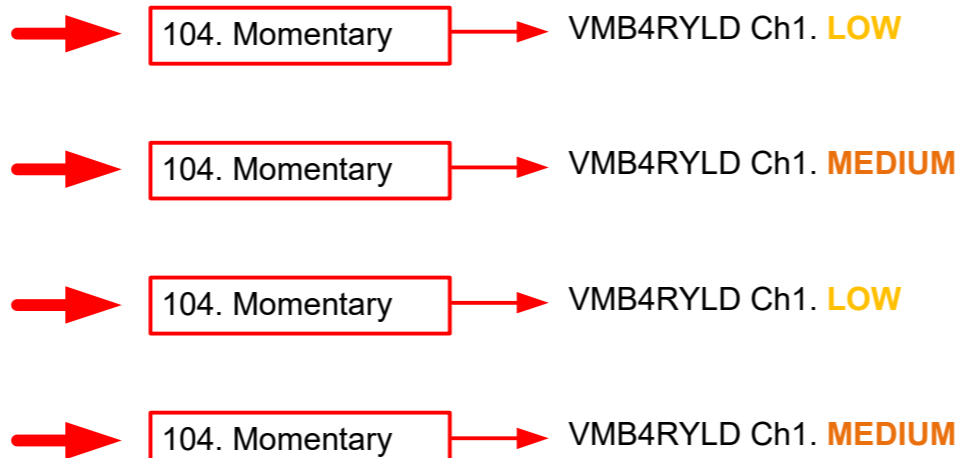
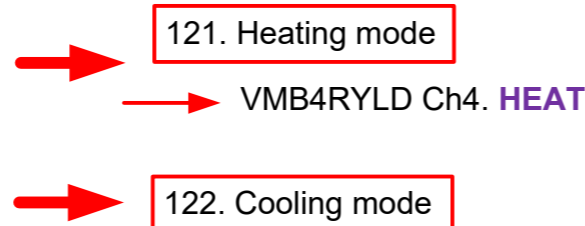
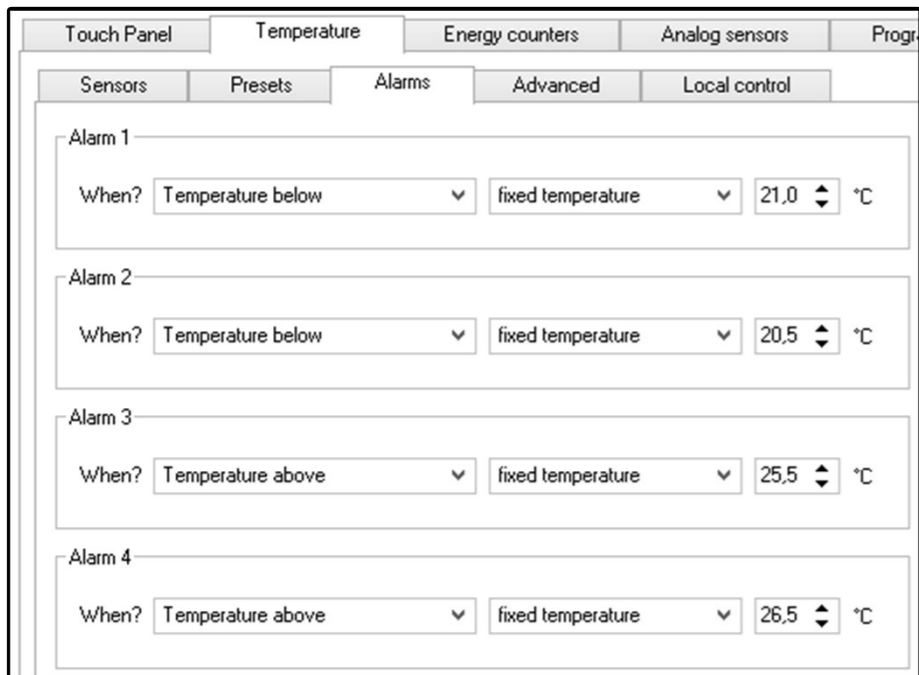
Use cable SVV 10x0,8mm

Bridge S1-1 and S3-2 in KRP413A1S pcb

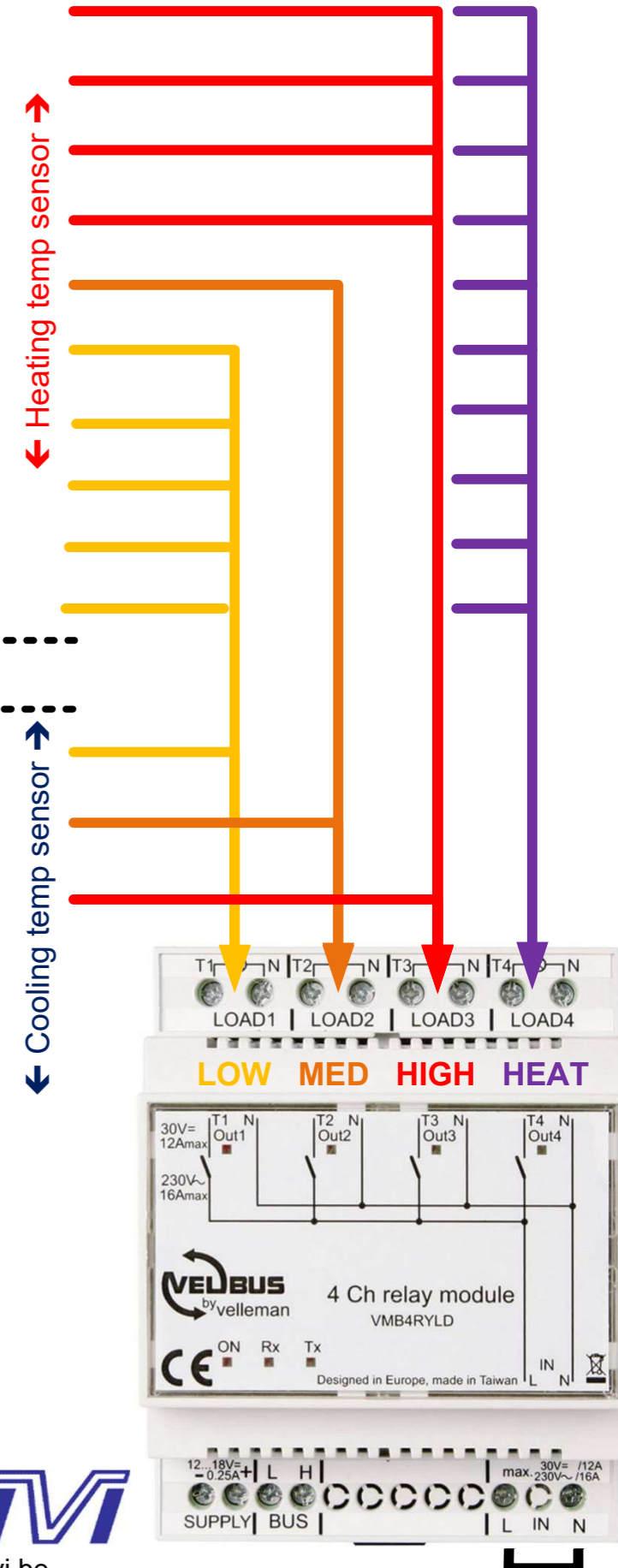
Bridge L and N in VMB4RYLD



Operational Alarm settings



15°	HIGH fan speed
16°	HIGH fan speed
17°	HIGH fan speed
18°	HIGH fan speed
19°	MEDIUM fan speed
20°	LOW fan speed
21°	LOW fan speed
22°	LOW fan speed
23°	LOW fan speed
24°	LOW fan speed
25°	OFF fan speed
26°	LOW fan speed
27°	MEDIUM fan speed
28°	HIGH fan speed



Airco Logic					A1 Low	A1 Medium	A1 High	A1 Heath	A1 VR	A2 Low	A2 Medium	A2 High	A2 Heath	A2 VR	Inkom t°	Keuken t°	Meeting t°	P Airco
initiators & conditions					19 Ch1	19 Ch2	19 Ch3	19 Ch4	19 Ch5	21 Ch1	21 Ch2	21 Ch3	21 Ch4	21 Ch5	128 Ch34	131 Ch34	133 Ch34	8 Ch2
P Inkom	Alarm 1	mode H	<	25,0°C	set heating mode			104					104		121	121	121	
P Inkom	Alarm 2	mode C	>	25,0°C	set cooling mode										122	122	122	
P Inkom	Alarm 3		<	15,0°C	activate power relay + keuken airco									104				105
FB Welcome	16 Ch4				activate power relay													105
P Meeting	Alarm 1		<	21,0°C	set low speed		104											
P Meeting	Alarm 2		<	20,0°C	set medium speed			104										
P Meeting	Alarm 3		>	25,5°C	set low speed		104											
P Meeting	Alarm 4		>	26,5°C	set medium speed			104										
P Meeting	Airco 1	Toggle	=	ON	activate airco				103									
P Meeting	Pump		=	ON	thermostat request low speed		104											
P Keuken	Alarm 1		<	21,0°C	set low speed					104								
P Keuken	Alarm 2		<	20,0°C	set medium speed						104							
P Keuken	Alarm 3		>	25,5°C	set low speed					104								
P Keuken	Alarm 4		>	26,5°C	set medium speed						104							
P Keuken	Airco 2	Toggle	=	ON	activate airco									103				
P Keuken	Pump		=	ON	thermostat request low speed					104								
T Keuken	Alarm L		<=	18,0°C	set high speed (too low)			104				104						
T Keuken	Alarm H		>=	28,0°C	set high speed (too high)			104				104						
Airco 1	19 Ch5		=	OFF	inhibit until airco activated		703	703	703	703	<===							
Airco 2	21 Ch5		=	OFF	inhibit until airco activated					703	703	703	703	<===				
103	toggle																	
104	momentary																	
105	momentary (old module)																	
121	heating mode																	
122	cooling mode																	
703	inhibit while open																	

The image shows a control interface for a heater and a cooler. On the left, under 'Heater', there are four temperature setpoints: Comfort (22.0), Day (21.0), Night (15.0), and Safe (5.0). The range is set from 5.0 to 23.0. On the right, under 'Cooler', there are three temperature setpoints: Standby (24.0), I (25.0), and II (27.0). The range is set from 23.5 to 27.5. A plus sign icon is visible to the right of the cooler controls.