

Millenium II +

→ Clima +

- Larger operating temperature range -30 to +70 °C
- 4 relay and 2 PWM outputs
- Standard (EC) and bare board (CN) versions
- Non-expandable controller type



Types

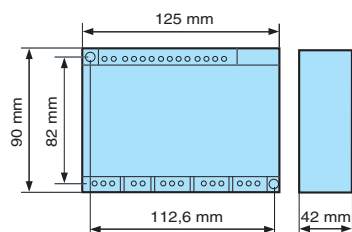
Type	Designation	Inputs	Outputs	Supply voltage	Part Number
CN 4R2T	Clima +	8 PNP	4 relays 2 static PWM	24 VDC	88 950 411
EC 4R2T	Clima +	8 PNP	4 relays 2 static PWM	24 VDC	88 950 431

Specifications

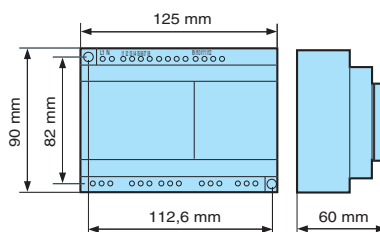
Electrical characteristics	
Operating voltage	24 VDC +20 % /-15 %
Maximum inrush current	7 A
Immunity from micro-power losses (ms)	1
Absorbed power (W)	4
Relay Outputs	
Number of relays	4 x NO / NC 8A
Minimum voltage	100 mA / 10 VDC
Maximum breaking voltage	250 VAC
Maximum current (A)	8
Mechanical life (operations)	30 x 10 ⁶
Electrical life	53,000 operations at 16 A/250VAC resistive, NC contact 6000 operations at 20A/250VAC, NO contact 30,000 operations at 20 A/24VDC resistive
Isolation	No
Contact material	AgNi 90/10
Response time (ms)	10
Logic Outputs / PWM	
Location of static PWM outputs	O5,O6
Minimum current	1mA
Static output characteristics	Breaking voltage
Courant de coupure	0,7A/5-28,8 VDC
Maximum incandescent load	0,1 A
Leakage current	0,1 mA / 24 VDC
Response time (ms)	1
Isolation	No
PWM frequency adjustment range	113 Hz à 1807 Hz
PWM operating cycle	0 à 100 %
PWM precision at 120 Hz	<5 % (de 15 % à 85 %) charge à 10 mA
PWM precision at 500 Hz	<10 % (de 20 % à 80 %) charge à 10 mA

Dimensions

CN 4R2T



EC 4R2T



For ordering information, see page 8