Danfoss

RMT and RET

Electronic/Electro-Mechanical Thermostats providing **accurate** and **reliable** temperature control

• Available in Electronic and Electro-mechanical models
• Electronic versions available with LED status indicators
• Models available for 24V and 230V operation
• Large, easy to read scale
• Locking and limiting as standard

RET230   **RMT230**

RMT and RET Room Thermostats with Setting Dial

Providing accurate and reliable temperature control for a wide range of applications, from radiator based heating applications to underfloor heating.

RMT Electro-Mechanical Room Thermostats

A stylish range of electro-mechanical room thermostats for use in 24V and 230V systems. All models, with the exception of RMT230*, have an accelerator heater to improve control accuracy. Models are available with thermometer and night set-back facility, activated by an external time control.

RET Electronic Room Thermostats

To complement the electro-mechanical models Danfoss Randall produce a range of electronic room thermostats, which have a matching style to that of the RMT. The RET range is based upon a wallplate construction, allowing for ease of installation.

The RET range of electronic thermostats are available in 24V and 230V versions. All models incorporate an electronic anticipator heater to improve thermal performance.

The thermostats are available in various configurations, including versions with voltage free contacts and LED status indication.
Included in the range are two special night set-back thermostats, which, by means of an external time clock, can be used to control overnight temperatures at a level 5K below normal day operation.

All RET24 and RET230 thermostats require a live and neutral power supply of the appropriate voltage.

RMT230

RET230

RET230NSB

RMT Electro-Mechanical Room Thermostats

Type	Code No.	Operating Voltage	Built-in Thermometer	5K Night Set-back [1]	Switch Type	Comments
RMT230*	087N111000	230 Vac			SPDT	no accelerator
RMT230	087N110000	230 Vac			SPDT	
RMT230T	087N112500	230 Vac	•	•	SPDT	
RMT24	087N119600	24 Vac			SPDT	
RMT24T	087N119700	24 Vac	•	•	SPDT	

(1) Night set-back is achieved using external time control.

RET Electronic Room Thermostats

Type	Code No.	Operating Voltage	LED Status Indicators Power on [1]	Stat Calling [2]	Switch Type	Comments
RET230P	087N743000	230 Vac			SPDT	Volt-free contacts
RET230NSB	087N701000	230 Vac	•	•	SPDT	5K night set-back volt-free contacts [3][4]
RET24	087N701400	24 Vac		•	SPDT	
RET24VF	087N701600	24 Vac		•	SPDT	Volt-free contacts
RET24NSB	087N701800	24 Vac		•	SPDT	5K night set-back volt-free contacts [4][5]

(1) Power on indicator is lit when power is applied to thermostat.
(2) Calling indicator is lit when thermostat relay is energised and calling for heat.
(3) In night set-back version, power on LED changes colour during night set-back period.
(4) Night set-back is achieved by using external time control.
(5) Second LED is lit during night set-back periods.

Specifications		RMT24	RET230	RET24	RET230
Switching differential		<1℃	<1℃	<1℃	<1℃
Operating voltage (±15%)		24 Vac	230 Vac	24 Vac	230 Vac
Contact rating		10 (4) A	10 (4) A	3 (1) A	3 (1) A
Temperature		8-30℃	8-30℃	5-30℃	5-30℃
Dimensions	Wide	80mm	80mm	85mm	85mm
	High	80mm	80mm	86mm	86mm
	Deep	40mm	40mm	42mm	42mm

Wiring Details

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RP

230V Supply

| 4 | | 1 | 3 | 2 |
| N | | COM | OFF | ON |

RMT230

ELECTRONICS

230V Supply

| N | L | | 3 | 4 |
| N | L | | ON | OFF |

RET230