

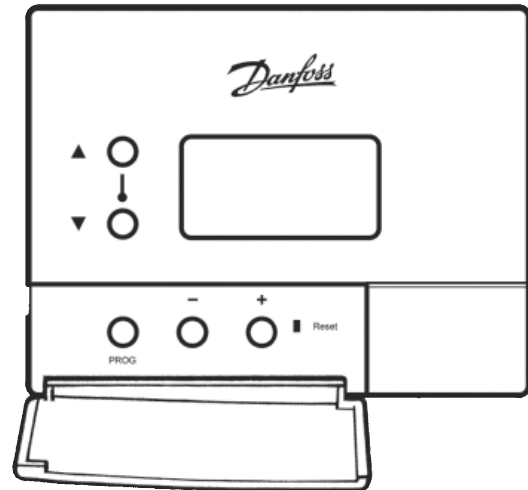
## Installer Settings including Advanced Programming

### TP6000M & TP6000MA Electronic Programmable Thermostats

#### Hardware settings including DIL switches

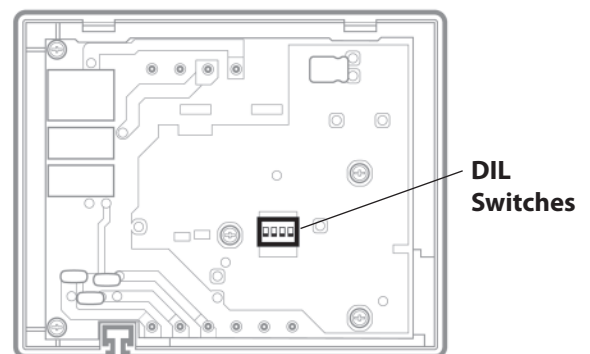
Installer settings with the TP6000M & TP6000MA thermostats include the following:

- Section 1. DIL switch settings:** on the rear of the thermostat circuit board provide basic hardware configuration. All switches should be set prior to mounting the thermostat module onto its wall-plate.
- Section 2. Advanced programming options:** Installer settings accessible from within an advanced programming mode.
- Section 3. User settings:** available from the buttons on the front of the unit, these are described in detail in the separate user instructions. A setting record is included to record user settings.
- Section 4. Security settings:** which may, depending upon the installation, be made by the building owner or the installer. These allow the building owner to electronically limit the programming and override functionality available to the user.
- Section 5. Setting records:** A setting record is provided to record "Advanced Programming mode" and DIL switch settings.





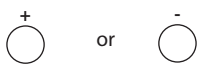


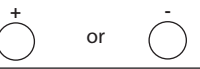




#### Section 1) DIL switch settings

1. Remove the thermostat from the wall-plate to set or amend the DIL switch settings. The switches can be found on the rear of the thermostat on the circuit board and are clearly labelled.
- ! Advice-** For information on how to remove the thermostat from the wall-plate please refer to the installation instructions.
2. Table 1 on page 3 shows the switch functions and factory settings.



Rear View of Thermostat

SECTION 2 - ADVANCED PROGRAMMING OPTIONS	All Models	
<p>This programming mode allows the building owner to limit the extent to which the user is able to programme or override settings. This may be done to protect the system from misuse or to improve the energy efficiency of the system. A full description of each of the setting options follows.</p> <p>To enter "Advanced Programming mode" press and hold PROG, - and + for 2 seconds.</p>		
<p>! <b>Advice</b> - Please note that not all options are available on all models, an indication of availability is given for each option.</p> <p>! <b>Advice</b> - Please note that the thermostat will automatically exit from "Advanced Programming mode" if no button pushes are sensed within a two minute period.</p> <p>! <b>Advice</b> - To exit "Advanced Programming mode" press PROG to return to RUN mode. The button may have to be pressed up to four times, depending upon where you are in the setting of the advanced features.</p>		
<p>! <b>Advice</b> - A table is provided at the end of this document to record all "Advanced Programming mode" settings.</p>		
<p><b>1. ADVANCED PROGRAMMING MODE - OPTION 1:- SETTING THE KEYBOARD DISABLE FUNCTION</b></p> <p>! <b>Important</b> - The Keyboard disable function should not be set to "ON" until all of the user programmes have been made.</p> <p>a) <b>Description:</b> This feature allows the building owner to disable all programming functions and to limit the degree of temperature override that the user can select to <math>\pm 2^{\circ}\text{C}</math>.</p> <p>b) <b>Factory setting:</b> This is set to "OFF", keyboard enabled.</p>		
<p>c) <b>Other setting options:</b> "ON", keyboard disabled. Use + or - buttons to select preference.</p> <p>! <b>Remember</b> - When Keyboard disabled is set to "ON", Use of <math>\blacktriangle</math> or <math>\blacktriangledown</math> temperature override is limited to <math>\pm 2^{\circ}\text{C}</math>.</p>		
<p>d) Press PROG to advance to next option.</p>		
<p><b>5. ADVANCED PROGRAMMING MODE - OPTION 5 THERMOSTAT CALIBRATION BIAS</b></p> <p>a) <b>Description:</b> This setting allows the installer to bias the thermostat calibration and the temperature shown on the display.</p> <p>b) <b>Factory Setting:</b> This set to <math>0.0^{\circ}\text{C}</math></p>		
<p>c) <b>Other setting options:</b> The other options are + or - <math>3^{\circ}\text{C}</math> in <math>0.5^{\circ}\text{C}</math> increments</p>		
<p>d) Press PROG to return to RUN mode.</p>		
<p><b>SECTION 3 - USER PROGRAMMING OF THERMOSTAT</b></p> <p>Please refer to the separate User instruction for details of programming instructions and daily use instructions.</p>		
<p><b>SECTION 4 - SECURITY SETTINGS</b></p> <p>! <b>Advise - Security settings:</b> Security settings should be carried out as the last stage of the commissioning process. This is an optional setting and need only be carried out if the building owner wishes to prevent the user from tampering with the thermostat programmes.</p>		

<p><b>1. DISABLE THE THERMOSTAT PROGRAMMING BUTTONS</b></p> <p>a) <b>Description:</b> This is achieved by setting advanced programming option 1 to keyboard disabled "ON", this disables all programming functions and limits temperature overrides to <math>\pm 2^{\circ}\text{C}</math>. All user features such a choice of clock display (AM/PM or 24 hour), temperature scaling (<math>^{\circ}\text{F}</math> or <math>^{\circ}\text{C}</math>) continue to be available to the user.</p> <p>b) To make the setting refer to the advanced programming instructions in section 2.1 above.</p>		
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## SECTION 5 ADVANCED PROGRAMMING MODE AND DIL SWITCH SETTING RECORD

**! Recommendation** - It is recommended that all "Advanced Programming mode" and DIL switch settings are recorded in the attached setting record.

**TABLE 1 - DIL SWITCH FUNCTION AND SETTING RECORD**

TP6000M or TP6000MA - DIL Switch setting record				
Switch No	Factory Setting		Installer Option	
	Function	Selected Y/N	Function	Selected Y/N
1	Heating - Chrono-proportional, 6 CPH		On/Off	
2	<i>not used</i>		<i>not used</i>	
3	<i>not used</i>		<i>not used</i>	
4	4 events per day		2 events per day	

After the DIL switch positions have been set, fit the unit to the wallplate and press the reset button. The unit is now ready to programme.

**TABLE 2 - ADVANCED PROGRAMMING FUNCTION AND SETTING RECORD**

Option	Description	Models	Factory Setting	Installer Options	Record Setting
1	Keyboard disable	All	Keyboard enabled	Keyboard disabled	
5	Thermometer calibration bias	All	0.0 $^{\circ}\text{C}$	+ or - 3 $^{\circ}\text{C}$	

**! Recommendation** - Please record Advanced Programming Mode settings for future reference



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