



COOLING AT
YOUR FINGERTIPS



Programmable and Smart Thermostats

Your property's air temperature can be automatically controlled, monitored and adjusted, using programmable or smart thermostats. These devices allow you to decide when and how your air conditioners operate.

New technologies can help reduce your bill

Replacing your existing thermostat with a new programmable or smart device gives you more control of your air conditioning, which can significantly lower your energy consumption. You can set your A/C to switch off when you are away and turn on before you reach home, dramatically reducing your electricity bill. Typical savings are between 10 - 15%, but these devices can lower your A/C running costs by as much as 30%*.

Programmable thermostats can be set to adjust the indoor temperature of a room automatically, depending on the time of day and day of the week. Most models allow up to four setting adjustments each day. Plus, you can set a different schedule for the weekdays and weekends.



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Smart thermostats have all the features of programmable models and also give you full flexibility to monitor and adjust your property's temperature using your smart phone. These devices can automatically adjust temperatures and fan speeds based on your schedule and personal preferences, or you can simply change your settings at anytime from anywhere using your phone. Smart thermostats can also sense how long it takes to heat or cool your home and make adjustments to maximise comfort and efficiency. The more advanced models use geo-fencing to automatically change temperature settings when your smartphone leaves or enters the vicinity of your property. Some models can even make adjustments based on the weather forecast. With the advanced functions of a smart thermostat, you can do all of the following:

- Remotely monitor electricity consumption on your smartphone.
- Calculate your energy savings.
- Detect someone in the room and adjust the temperature.
- Remotely monitor and adjust the A/C in individual rooms (for example, to monitor a child's bedroom temperature at night).
- Integrate A/C and heating control into your smart home system.

Reliable and Simple

There are many different types of high-tech thermostats available in the United Arab Emirates' market, from budget programmable units to high-end, Wi-Fi enabled devices that integrate seamlessly with a smartphone.

Programmable thermostat prices range from as low at AED 200 to about AED 400. The costs associated with air conditioning account for more than 50% of total electricity costs at most properties**, so replacing your old thermostat with a programmable unit quickly pays for itself - savings you'll soon notice on your electricity bill. Installation and setup is simple and takes less than 1 hour.

Smart thermostat prices start at about AED 400 and go up to AED 1,000 for more advanced models. However, because of their increasing popularity, more models are being introduced to the Abu Dhabi market and prices are dropping. Although installing a smart thermostat is simple, setting it up to take advantage of its many features can be challenging. In some cases, the supplier provides free installation and instruction on how to use the device. In addition, most models have extensive online support that walks you through the setup step by step; some are even designed to self-configure to make the setup process effortless.



***Source:** U.S. Environmental Protection Agency. Summary of Research Findings from the Programmable Thermostat Market, 2003. Washington, D.C., U.S.A.

***Source:** Executive Affairs Authority (EAA). Demand Side Management Comprehensive Cooling Plan, July 2012. Abu Dhabi, U.A.E.