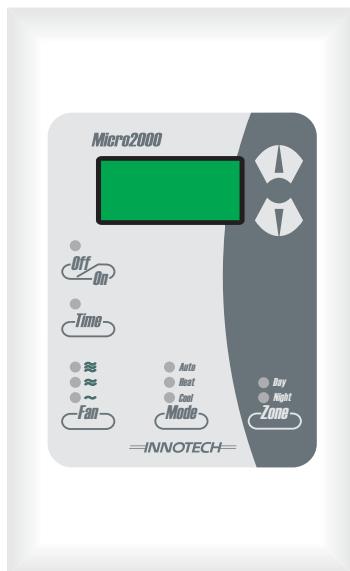


M2K05 User Instructions



Button Functions

- Off/On = Manual On/Off Control.
- Time = Enable and Disable the Timer or Timeclock control.
- Fan = Fan Speed selection for Low, Medium and High. Also Ventilation only operation.
- Mode = Selection for Heating, Cooling or Automatic Heat/Cool control.
- Zone = Day / Night or Day & Night Zone Selection.

Manual On/Off Control

By pressing the Off/On button, the controller may be started and stopped manually. This will over ride any Timer or Timeclock functions. If switched to the OFF state, when in Timeclock mode the controller will startup again at the next pre-programmed ON time.

Ventilation Only and Fan Speed Control

By pressing the Fan button when the controller is OFF, the controller will operate at low speed with no cooling or heating. If the Fan button is pressed once more the fan speed will change to medium and then high speed. Pressing the Fan button when in high speed will turn the controller OFF.

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TITLE	M2K05 USER INSTRUCTIONS	
MODEL NO	M2K05 DAY/NIGHT CONTROLLER	
DATE	18/12/2002	
DRAWN	TBM	REV NO: A
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Timer or Timeclock Function

Your system will be pre-programmed to your requirements when installed by the mechanical contractor. There are 2 functions that may be used: **7-Day Timeclock Control**, or **Manual On/Off with adjustable On or Off Timer**. If setup for “Timer” mode, the Clock will not need to be set on startup or after power failure. (NOTE: If power failure occurs in “Timeclock” mode, the Clock will need to be reprogrammed. This is the actual time and day only, all timeclock settings are saved during a power failure.)

Using the Timer Function (When setup)

When the controller is on the OFF state and the  button is pressed, “0.1” is displayed. This is the time that the controller will take to switch to the ON state. (In hours 0.1 = 6 minutes) Adjust the required ON time by using the UP and DOWN buttons, then press  to accept the setting. The “Time” LED will be illuminated and the controller will start when the programmed time has elapsed.

When the controller is in the ON state and the  button is pressed, “0.1” is displayed. This is the time that the controller will take to switch to the OFF state. (In hours 0.1 = 6 minutes) Adjust the required OFF time by using the UP and DOWN buttons, then press  to accept the setting. The “Time” LED will be illuminated and the controller will shut down when the programmed time has elapsed.

Using the Timeclock Function (When setup)

By pressing the  button, the actual time is displayed for 5 seconds then reverts to the temperature. The “Time” LED will illuminate and the controller operates from its programmed time schedules. If the  button is depressed once more the controller will switch “Off”. When the  button is “Off”, the manual  button may be used to start and stop the A/C unit.

Auto/Heat/Cool Control

If Cool is selected, the Cooling will control automatically as required, and Heating will never be enabled.

If Heat is selected, the Heating will control automatically as required, and Cooling will never be enabled.

If Auto is selected, the Heating and Cooling will control automatically as required.

In any of these modes, the fan speed may be selected by pressing the  button. The fan will not switch off, unless the fan has been selected to cycle with Heating.

Day/Night Control

Your system will be pre-programmed to your requirements when installed by the mechanical contractor. There are 2 functions that may be used:

1. Day/Night or both together.
2. Day/Night only.

If setup for Option 1, by pressing the  button the controller will toggle between the Day Zone, Night Zone and both together. If setup for Option 2, by pressing the  button the controller will toggle between the Day Zone or Night Zone, never both. Under no circumstances can both Zones be OFF when the system is operating.

Setting the Temperature

When the  or  buttons are depressed. The set point will be displayed. Continuing to press either the  or  buttons will increase or decrease the set point. If the  or  buttons have not been depressed for 5 seconds the display will revert to the sensed temperature.

Button Functions when in Programming Mode

-  = ENTER is used to save settings and to enter a new parameter.
-  = BACK allows you to scroll back to the previous setting or parameter.
-  = DELETE is used to delete a Time Schedule.
-  = COPY is used to copy the previous Time Schedule.

Setting The Clock “Current Day and Time”

Anytime the controller is powered up, the display will read “SET CLO”. To set the clock, follow the instructions below.

Step 1. Press and hold the  button until the display goes blank. Press the  and  buttons to select clock “CLO” edit mode and press the  button.

Step 2. Use the  and  buttons to adjust your time settings and save it by pressing the  button. “DAY1” will be displayed, which is Monday. Adjust to the required day Eg. Wednesday = “DAY3”. The controller will scroll from DAY1 to DAY7 when the desired day is displayed press .

Step 3. To save and exit the “CLO” mode press and hold the  button until the display goes blank.

Note, If a mistake is made you can press the  button to return to the previous setting.

Setting The Time Clock “Time Schedules”

To set the schedules follow the instructions below.

Step 1. Press and hold the  button until the display goes blank. Press the  and  buttons to select between “CLO” and “SCH”. Select the “SCH” mode by pressing the  button.

Step 2. Once the schedule function has been selected, “DAY1” is displayed. You may scroll through the days requiring programming by using the  and  buttons. When the desired day is displayed select it by pressing the  button. E.g. “DAY 1” = Monday, “DAY 2” = Tuesday.

Step 3. The display will now read “SCH 1”. Note that this 7 day time clock is capable of 2 on / off times per day referred to as schedule 1 and schedule 2. If only one event is required per day then enter no times for schedule 2. Press the  button and select “SCH 1” The display will then flash “ON” followed by the on time. Use the  and  buttons to adjust the on time then press the  button to save the time setting.

“OFF” followed by “---” will then be displayed. Set the “OFF” time and press the  button.

Step 4. The display will now show “SCH 2”. Press the  button. Either enter an “ON” and “OFF” time or ignore it by pressing the  button again. Note if no time is entered for “SCH 2” then “---” will be displayed for the “ON” time and the “OFF” time will not be displayed.

Step 5. The display will now read “DAY 2”. Repeat steps 2 and 3 for each day as required. If the “DAY 2” “ON” and “OFF” time is to be the same as “DAY 1”, Then press  when the “---” is displayed for the “ON” time. Note if a mistake is made press  to delete the unwanted time. Press  to return to the previous setting. Press and hold the  button to save and exit.

Automatic Day/Night Changeover

This is only possible when using the **Timeclock** mode, not **Timer** mode. To setup this operation, press and hold the  button until the display goes blank, “CLO” is displayed. Press the  button until “_d_n” is displayed, and press  . “A_00” is displayed. This is to enable the Automatic Day/Night changeover. Press  , “OFF” is displayed. Press  , and then  to enable this function.

Press the  button, “A_01” is displayed, press  . Use the  and  buttons to select the required time to change from day to night control and press  .

Press the  button, “A_02” is displayed, and press  . Use the  and  buttons to select the required time to change from night to day control, and press  .

When completed, press and hold the  button until the display goes blank.