



Digi 14 Series

One Circuit Electronic

24 Hour or 7 Day

Time Switches



Digi 14E



Digi 14A

APPLICATION

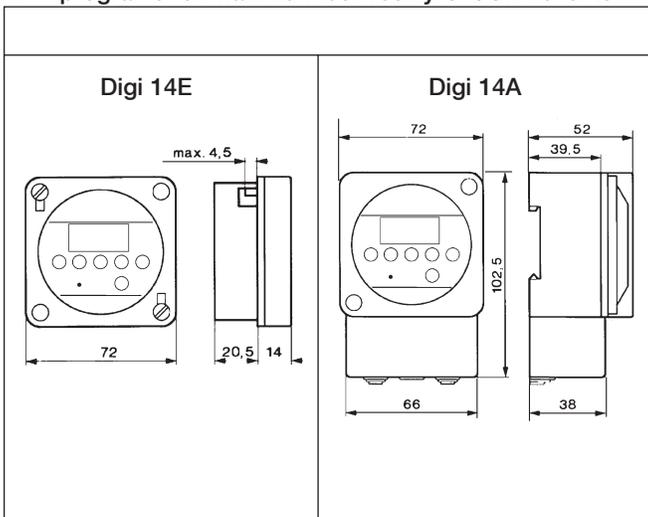
Time based control of lighting, ventilating, heating, cooling or other electrical loads in commercial and industrial applications. These one channel time switches are programmable for 24-hour or 7-day schedules.

The Digi14A is intended for either surface or rail mount. The control is completely enclosed in a plastic housing that includes a terminal cover and sub-base for installation and hard wiring.

The Digi14E is designed to be flush (panel) mounted. Both models are supplied with a clear plastic snap-on dust cover. They also feature large keys with a unique backlit LCD screen that allows for viewing in dark locations.

FEATURES

- Integrated MOV surge protection assures reliable operation
- Thermal fuse protects unit in the event of overload
- Flexible mounting configurations
- Rechargeable Ni-MH battery holds program and keeps time for up to 60 days
- Block programming reduces number of events: MON-SUN, MON-FRI, SAT-SUN, MON-SAT, MON-WED-FRI
- Backlit LCD illuminates in the dark
- 14 programs for maximum 98 weekly ON/OFF events



SPECIFICATIONS:

Wiring Connection: 1/4" Quick Terminals

Supply Voltage: 125VAC, 60 Hz.

Switch Output: SPDT (Form C Relay Contacts)

Switch Rating: 15A General Purpose/Resistive @125VAC
1000W Tungsten @125VAC
1/2HP @125VAC

Battery Back-Up: Rechargeable Ni-MH (Holds program and keeps time for up to 60 days)

Operating Temperature: -10°C to + 55°C

Accuracy: ± 1 sec/day at 20°C

Number of Programs: 7 ON, 7 OFF

Block Programming: MON-SUN, MON-FRI, SAT-SUN, MON-SAT, MON-WED-FRI

Shortest Switching Time: 1 Minute

Display: Backlit LCD (Illuminates in the dark)

Protection: MOV and Thermal Fuse

Agency Approvals: UL Recognized

SPECIFIERS GUIDE

Furnish and install an Intermatic Digi14 electronic time switch. This one channel controller shall have 24 hour and 7 day programming and also offer 7 ON and 7 OFF set points and include 5 block programs for different weekday schedules. The LCD shall be backlit and display time of day in AM/PM format and provide load status indication. A daylight time adjustment key shall also be provided. The time switch will be programmable to the minute and also offer a manual override for ON or OFF. The SPDT relay output shall be rated for 15A resistive. Carryover shall be provided for a minimum of 60 days with a built-in rechargeable Ni-MH battery which does not require replacement. The time switch shall

ORDERING DATA

Model Code	Timer Voltage	Mounting	Programs	Maximum Weekly On/Off Events	Relay Output Resistive Rating
Digi14A - 120	120V, 50/60Hz	Surface or DIN Rail	14	98	SPDT, 15A
Digi14E - 120	120V, 50/60Hz	Flush/Panel	14	98	SPDT, 15A

Digi 14

INITIAL SETUP

Apply power to the unit as illustrated in the wiring diagram. Then push the **Reset** key with a paper clip or pencil tip. The display will flash as shown. Press and release **Clock** button to start setting the time (display will stop flashing)



SETTING CURRENT TIME

1. Press and HOLD the **Clock** key during this entire procedure.
2. Press the **h+** key to advance the hours.
3. Press the **m+** key to advance the minutes.
4. Press the **Day** key to advance the day.
5. If any keys are pressed for a prolonged period, the display will advance rapidly.
6. Release the **Clock** key once the time and day have been entered.

Now the timer is in operation and ready to be programmed.

The colon ":" after the hours will continuously flash indicating that the time is advancing.

DAYLIGHT SAVINGS TIME ADJUSTMENT

1. To enter Daylight Savings Time, simply press both the **h+** and **m+** keys simultaneously.
2. The display will indicate "DST" and advance the hour by one.
3. To end Daylight Savings Time, simply press both the **h+** and **m+** keys simultaneously. "DST" will disappear from the display and the hour will be



h+ and m+ keys: DST displays

PROGRAMMING ON/OFF EVENTS

Press the **Timer** key once. The display will change as shown to the right.

TIMER 1 ON -- : -- appears.



1. Using the **h+** and **m+** keys, enter the desired ON time. By default, all days are indicated, thus all 7 days will be programmed. When complete, press the **Timer** key once.

TIMER 1 OFF -- : -- will be displayed.



2. Using the **h+** and **m+** keys, enter the desired OFF time. By default, all days are indicated. When complete, press the **Timer** key once.
3. If complete, press the **Clock** key to return to current time and day.
4. Note that a total of 7 ON and 7 OFF events can be programmed.

BLOCK PROGRAMMING

To change the day selection, simply keep pressing the **Day**

key and the display will change as follows:

Individual Day (MON, TUE, etc.)

MON-WED-FRI

MON-FRI

TUE-THU-SAT

SAT-SUN

MON-WED

MON-SAT

THU-SAT

MON-SUN

Follow the previous steps to complete programming.

REVIEWING PROGRAMS

1. To review the programs that have been entered, simply press and release the **Timer** key. Each time you do this, you will be able to scroll thru the programs.
2. Any program can be edited simply by pressing the **h+**, **m+**, and **Day** keys. Then press the **Timer** key in order to accept the changes.
3. When complete, press the **Clock** key to return to current time and day.

DELETING PROGRAMS

1. To delete a particular program, simply press the **Timer** key until the desired program is displayed.
2. Then press the **h+** and **m+** keys until -- : -- is displayed.

Then press the **Timer** key in order to delete this particular program.

3. When complete, press the **Clock** key to return to current time and day.

MANUAL OVERRIDE

Pressing the manual override key will alternate the unit ON or

OFF.

INITIAL STARTUP

When you initially program the unit, it may be necessary to press the manual override key as the unit will not look back to determine if it should be ON. For example, if the current time is 2:00PM and you just programmed the unit to turn ON at 1:00PM, you will need to press the manual override key to turn it ON. Thereafter, the unit will resume normal operation (automatic).

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html>