



MODEL HB71R70 DIGITAL ALL-WEATHER OUTDOOR TIMER

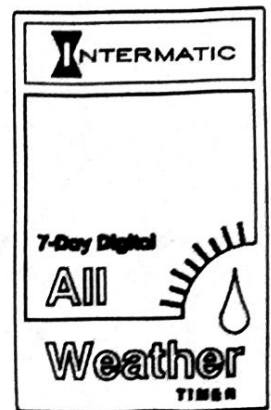
Heavy-Duty • Grounded • 15 Amps.

- Landscape Lights • Security Lights (including fluorescent)
- Holiday Lights • Bug Zappers • Engine Block Heaters
- Electric Signs and Displays • and Pumps or Motors.

Purchase extra units to increase security, energy savings and convenience all over your property.

IT'S EASY TO SET AND USE

Please read all these instructions. Your timer contains a replaceable AA alkaline battery which: 1) saves your program in the event of a power failure, and 2) allows convenient hand-held programming without plugging in the timer.



MANUAL-AUTOMATIC-AUTOMATIC RANDOM

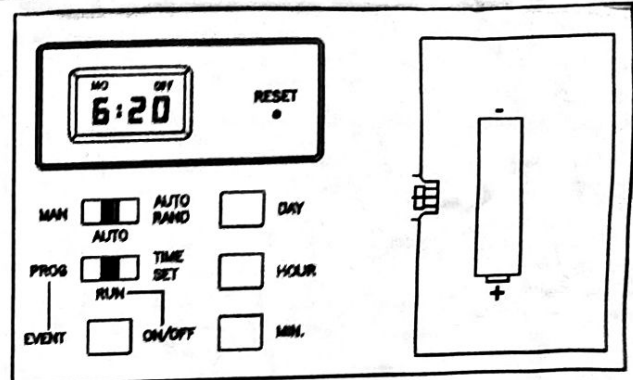
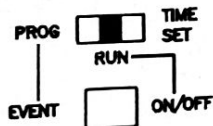
(the "upper" slide switch)

- **MANUAL:** set switch to bypass your program completely; timer will not resume program until you return switch to AUTO-MATIC or AUTOMATIC RANDOM.
- **AUTOMATIC:** set switch for ON/OFF times accurate to the exact minute.
- **AUTOMATIC RANDOM:** set switch here ON/OFF times within ± 15 minutes of the exact minute, avoiding a "timer-controlled" look.



PROGRAM-RUN-TIME SET (the "lower" slide switch)

- **PROGRAM:** use this position when programming
 - **RUN:** use this position for normal operation.
 - **TIME SET:** use this position to set time.
- DUAL - USE BUTTON**
- **EVENT:** programming (active only when lower switch is set at PROGRAM).
 - **ON/OFF override** (active only when lower switch is set at RUN); turns devices ON if already off or OFF if already on. Timer automatically resumes program on next cycle.



DAY button



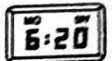
HOUR button



MINUTE button



LCD time display

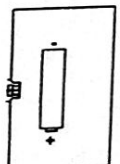


RESET port

Lightly insert pin or paper clip to cancel all prior settings.



BATTERY compartment



SET CURRENT DAY AND TIME

Slide lower switch to TIME SET. Push DAY until current day shows. Then

push

HOUR until current hour shows. Now push MINUTE until current minute

shows.

Clock is now set. Follow same procedure when replacing battery or changing time (such as for daylight saving time).

PLEASE NOTE: Before you program your timer, or when you remove the battery, or when you use the RESET port, pressing EVENT will display the bar symbol -- ON 1. Repeated pressing of EVENT will display all the way through the final bar symbol -- OFF 6. Once you program your timer, however, each actual setting you make will replace the bar symbol. While programming, each time you press DAY you will advance to the next program period.

PROGRAM PERIOD OPTIONS

Your timer gives you up to 6 different ON and 6 different OFF settings per program period. You can use all 6 settings per period, or as few as you like. A program period covers one of these:

- **ALL 7 DAYS OF THE WEEK** combined into one - display shows MO TU WE TH FR SA SU.
- **MONDAY THRU FRIDAY** combined into one - display shows MO TU WE TH FR.
- **SATURDAY AND SUNDAY** combined into one - display shows SA SU.
- **EACH INDIVIDUAL DAY OF THE WEEK** - display shows only that day.

Program periods with days "combined into one" help you make settings for those multiple days quickly and conveniently. When you set such a program period, all settings you make will be identical for every day of that period.

SET YOUR PROGRAM

Slide lower switch to PROGRAM. Display will look like this: [- : - -]

- Press DAY until desired program period shows (see choices listed in "PROGRAM PERIOD OPTIONS" section above).
- Press HOUR until desired ON 1 hour shows (that is, the first time each day of the program period that you want the devices to turn ON).
- Press MINUTE until desired minute shows.
- Press EVENT to set time for ON 1 (and to advance to programming for OFF 1).
- Press DAY again until all seven days of the week show (or until another desired program period option shows; see choices listed in "PROGRAM PERIOD OPTIONS" section above).
- Press HOUR again until desired OFF 1 hour shows (that is, the first time each day of the program period that you want the devices to turn OFF).
- Press MINUTE until desired minute shows.
- Press EVENT to set time for OFF 1. You may now begin setting ON 2, a second ON time, for the same program period, OR press DAY to change to a different program period.
- Repeat above procedure until all desired ON/OFF programs are set.

PERSONAL PROGRAM EXAMPLES

DAY CHECKS	ON TIMES	OFF TIMES	EVENTS DISPLAYED	DAYS & TIMES DISPLAYED
EXAMPLE 1 MO TU WE TH FR SA SU	5:00 PM	10:00 PM	ON 1 OFF 1	MO TU WE TH FR SA SU 5:00 PM MO TU WE TH FR SA SU 10:00 PM
EXAMPLE 2 MO TU WE TH FR SA SU	6:00 PM 4:00 PM	10:00 PM 8:00 PM	ON 1 OFF 1 ON 2 OFF 2	MO TU WE TH FR 6:00 PM MO TU WE TH FR 10:00 PM SA SU 4:00 PM SA SU 8:00 PM
EXAMPLE 3 MO TU WE TH FR MO TU WE TH FR SA SU	6:00 AM 5:30 PM 3:00 PM	9:30 PM 11:15 PM 10:00 PM	ON 1 OFF 1 ON 2 OFF 2 ON 3 OFF 3	MO TU WE TH FR 6:00 AM MO TU WE TH FR 9:30 AM MO TU WE TH FR 5:30 PM MO TU WE TH FR 11:15 PM SA SU 2:00 PM SA SU 10:00 PM
EXAMPLE 4 MO TU WE TH FR SA SU	8:00 PM 5:00 PM 7:00 PM	11:30 PM 2:30 AM (DAY AFTER) 10:30 PM	ON 1 OFF 1 ON 2 OFF 2 ON 3 OFF 3 ON 4 OFF 4 ON 5 OFF 5 ON 6 OFF 6	MO TU WE TH FR SA SU 8:00 PM MO TU WE TH FR SA SU 2:30 AM SU 7:00 PM SU 10:30 PM FR 5:00 PM MO 11:30 PM SA 5:00 PM TU 11:30 PM "BLANKDAY" : : : : WE 11:30 PM "BLANKDAY" : : : : TH 11:30 PM

NOTE: "BLANKDAY" follows Sunday after last push of DAY button (when the lower slide switch is set at PROGRAM). The purpose of the BLANKDAY is to disable a program setting on a day.

REVIEW YOUR PROGRAM

Slide lower switch to PROGRAM. Press EVENT button to advance display to each subsequent ON or OFF setting. Check days and times displayed. To make a change, follow instructions under "SET YOUR PROGRAM".

INSTALLATION

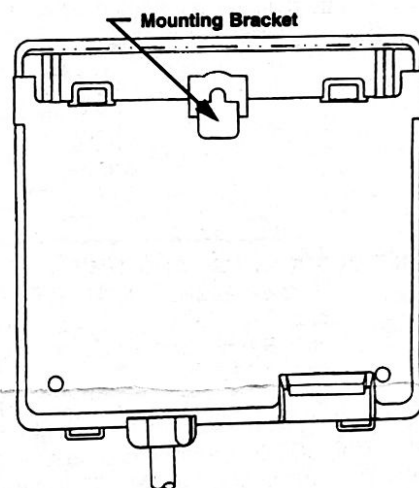
Mount on wall near grounded electrical outlet. Use wall anchor if necessary for safe and firm mounting. Nail or screw head must extend at least 3/16" out from wall. Hang timer from slot on back of unit onto nail or screw. To avoid shock hazard, install timer top up, at least 18 inches above ground. Plug timer cord into grounded (GFCI preferred) outlet. Then plug device cords into receptacle at bottom of timer. If using timer near swimming pool, plug into GFCI protected outlet at least 10 feet away from pool water or from any spot where water forms puddles.

GENERAL FEATURES AND HINTS FOR TROUBLEFREE USE

- **BUTTON:** when you press a button, each push advances the setting one time unit; holding a button down advances continuously until released.
- **MAINTENANCE:** your Intermatic timer is completely weather-proof and maintenance-free. There's nothing for you to do except enjoy the increased security, energy savings and convenience it brings you.

SPECIFICATIONS

Electrical Rating of controlled devices must not exceed timer capacity:
15 Amps Resistive (1800 Watts), 500 Watts Tungsten, 15 Amps Inductive,
1/3 H.P. Motor 120 Volts AC, 60 Hz.
Maximum ON Time: 6 days, 23 hours, 59 minutes. Minimum ON TIME: 1 minute.



FULL ONE YEAR WARRANTY
If within one (1) year from the date of purchase, this product falls due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it free of charge. The warranty does not apply to (a) damage caused by accident, abuse, mishandling or dropping; (b) units which have been subject to unauthorized repair, opened, taken apart; (c) units not used in accordance with directions; (d) damages exceeding the cost of the product. Some states do not allow a limitation of damages, so the foregoing limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty serviced is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing postage prepaid to the authorized serviced station listed below. Please be sure to wrap the product securely when mailing to avoid damage. This warranty is made by: Intermatic Incorporated, Intermatic Plaza, Spring Grove, Illinois 60081-9698.

AUTHORIZED SERVICE STATION
INTERMATIC INCORPORATED
Intermatic Plaza,
Spring Grove, IL 60081-9698

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