



GRASSLIN

A GE Industrial Systems Company

ON/OFF Switch must always be "ON"!

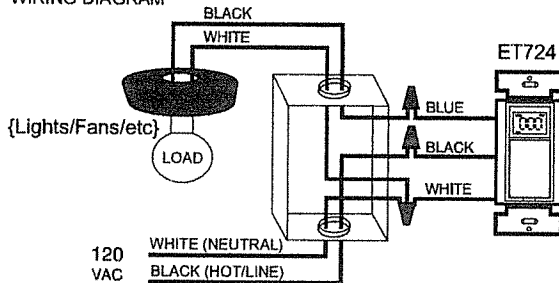
**ET724 ELECTRONIC WALL SWITCH TIMER
120 VAC/60Hz SINGLE POLE HEAVY DUTY
STANDARD DECORATOR WALL PLATE**

MAXIMUM LOAD MUST NOT EXCEED:

Resistive	20 Amps @120VAC 60 Hz	Incandescent or Halogen Lighting, Electric Heaters, etc.
Inductive	20 Amps @120VAC 60 Hz	Ballast (Fluorescent/Sodium/ Tungsten), etc.
Motor	1 HP @120VAC/60Hz	Fans, Compressors, Blowers, etc.

INSTALLATION **ON/OFF Switch must always be "ON"!**

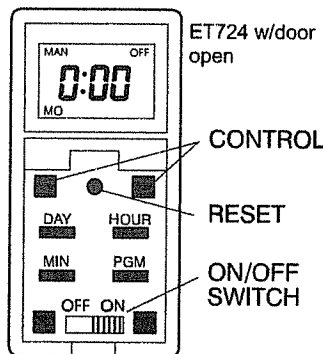
WIRING DIAGRAM



- 1 - Turn off the power at the circuit breaker to avoid electrical shock.
- 2 - Remove and disconnect the existing switch.
- 3 - Connect the ET724 wire leads to the LOAD as shown above.
- 4 - Restore power at circuit breaker.

POWER-UP SEQUENCE

1. Lift up the bottom of the door using a small screwdriver.
2. Position the ON/OFF switch to ON.
3. Press the "RESET" button using a paper clip.
4. On the display, 0:00 and MO should flash.



If there is nothing on the screen, check the following:

- a) The ON/OFF switch located at the bottom may be in the OFF position. Slide it to the ON position using a small screwdriver.
- b) Check the LOAD connected to the ET724. Check the 120VAC power source.

SETTING TIME AND DAY

The TIME & DAY must be set prior to Programming the ET724.

1. The time format can be easily changed (Military <<>> AM/PM). To change the time format press and hold down the MIN key and then momentarily press the HOUR key. Now release the MIN key.
2. Set the day by using the DAY key (if the current day is Tuesday, press and release DAY key until TU appears on the ET724 (bottom area).
3. Set the time by using the HOUR and MIN keys. (For AM/PM 12 hour time format, PM will appear on the ET724 left side during PM hours).
4. Close the door when complete to return to NORMAL operation.

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OPERATING MODES

The ET724 has 2 operating modes (MANUAL and AUTOMATIC).

In MANUAL Mode the ET724 reacts just like a regular toggle wall switch. Pressing on the ET724 causes the OUTPUT LOAD to turn ON or OFF. The ET724 would indicate MAN on the display while in MANUAL Mode and either ON or OFF for output status.

In AUTOMATIC Mode the ET724 executes in sequence the programs that have been entered. To place the ET724 in AUTOMATIC Mode simply press and hold the ET724 for 3 or more seconds until AUTO is indicated on the display. The display will indicate the active program number and the OUTPUT status (ON/OFF).

While in AUTOMATIC Mode it is possible to override the OUTPUT state by simply pressing on the ET724. The display will indicate that the output has been overridden by flashing either ON/OFF. To resume AUTOMATIC mode simply press on the ET724 until the ON/OFF flashing is eliminated or allow the next sequential program to resume.

PROGRAMMING THE ET724

The ET724 memory can hold up to 7 programs. Each program consist of 2 events (ON time and OFF time). The events can be set up to execute on a daily basis or on a weekly basis (Monday ~ Sunday).

NOTE: It is necessary to program both the ON and OFF events for each program.

1. Open the ET724 door using a small screwdriver.
2. Press the PGM key.
The display will show the number 1 (program 1) on the lower right corner and the program state (ON/OFF) on the upper right corner. Note that the clock is replaced by - : - - indicating that the selected program is not activated.
3. Press on the DAY key to select the day for which you would like the OUTPUT to turn ON.
If you would like the program to execute every day of the week (Monday ~ Sunday) continue pressing the DAY key until all days are selected.
4. Press on the HOUR and MIN keys to set the time for which you would like the OUTPUT to turn ON. For 12 Hour Format "PM" appears on the left.
5. Press the PGM key again to register the entry just made. Now to program the OFF event simply follow steps 3 and 4 respectively.
If an ON event was programmed (Monday ~ Sunday), the OFF event will automatically be set for (Monday ~ Sunday).
6. To enter programs 2 to 7, repeat steps 2 to 5.
If you only need one program, simply leave the others inactive. If you want to erase a program, select it by pressing the PGM key and holding it for 3 seconds. The program will be erased when the ET724 displays - : - - .
7. Close the door to exit Program mode and resume normal operation.

MEMORY BACKUP

The ET724 is equipped with a rechargeable Ni-Mh battery which will protect your programs during power failure for up to 30 days.

No need to replace battery.

Note that the screen blanks during a power failure.

CHARACTERISTICS

Model : ET724 SINGLE POLE
 Supply : 120 VAC, 60 Hz
 Load : 2400 watts resistive or inductive, 1 HP motor
 Approvals : CSA & UL
 Storage temperature range : -4 °F to 122 °F (-20°C to 50 °C)
 Operating temperature range : 32 °F to 122 °F (0°C to 50 °C)

GRASSLIN CONTROLS CORP. ONE YEAR LIMITED WARRANTY

Grasslin Controls Corp. products are warranted to be free from defects in workmanship or material under normal use and service for a period of one year from date of purchase by the Installer or user. Grasslin's warranty is to the original purchaser only, buy is extended to you by the Distributor or OEM from whom you purchased. Grasslin obligation under this warranty is limited to replacing with a new or repaired unit to the original purchaser. The unit must be returned, and replacements obtained from the Distributor or OEM from whom it was purchased. This warranty will not apply if, in the judgement of Grasslin Controls Corp., damage or failure has resulted from accident, alteration, misuse, abuse or operation in an incorrect power supply. Under no circumstances shall Grasslin Controls Corp. be liable to purchaser or any other third party for any loss of profits or other direct or indirect cost, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of Grasslin Products or any part or parts thereof.