

GreaseStopper®

Automatic Grease Interceptor
Models 15 - 100

Users' **Manual**

Installation

Start-up Instructions

Operation

Maintenance

Trouble Shooting

Repair & Replacement Parts

UL Listed 1D42 Waste Disposer
Conforms to PDI G101

U.S. Patent #'s 4,051,024 4,268,396 - 5,030,357
Canadian Patent # 1,097,227
U.K. Patent # 1,584,095



1D42
WASTE DISPOSER



Highland Tank

Manufacturing the Original
Lowe Engineering
Grease Recovery Unit

Carefully read and follow all instructions in this booklet

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Introduction

Thank you for purchasing a Highland Tank Automatic Grease Interceptor (AGI). The Automatic Grease Interceptor combines state-of-the-art technology with time-tested materials, making it the most reliable automatic grease recovery unit in the industry.

The purpose of this manual is to provide engineers, contractors and end users with detailed instructions on installation, operation, start-up, maintenance and troubleshooting of the AGI.

Before you begin:

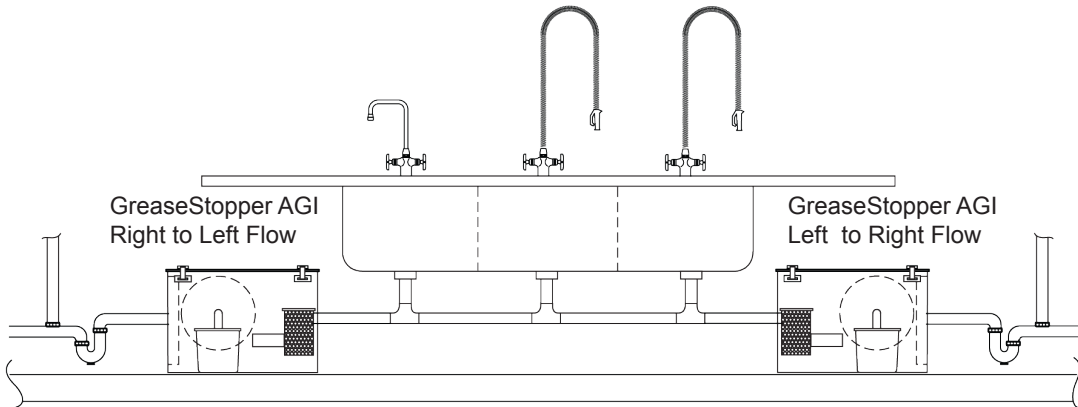
Carefully read and follow the instructions in this booklet. All plumbing installations shall be according to state and/or local requirements. Check with local authorities (AHJ) prior to installation of an AGI.

- The AGI should be installed in a heated area.
- A gravity interceptor will not remove detergent emulsions completely, and their presence retards the recovery of fats, oils and grease (FOG). Adhering to proper ware washing techniques will minimize detergent emulsions significantly. A biodegradable, non-emulsifying detergent is recommended for use in cleaning and washing applications.
- Locate the AGI in an area with sufficient access (top and side clearance) for removal of FOG, garbage, water and proper maintenance.
- Inlet piping should be installed with recommended pitch and diameter, limiting turns to minimize turbulence.
- A second screen basket is highly recommended for single basket models, to facilitate maintenance without having to turn off the AGI or take it off-line.
- Inlet piping should be installed with recommended pitch and diameter, limiting turns to minimize turbulence.
- The absence of gravity flow to the AGI will make it necessary to pump the wastewater. When elevation or grades at the facility fail to allow for gravity flow to the AGI, pumping should be restricted to the effluent discharge end of the AGI. If a pump is installed upstream or ahead of the AGI, it must be a positive displacement pump (progressive cavity, diaphragm, sliding shoe, etc.), at minimum gpm, and installed as far upstream as possible to reduce the extent of mixing.
- When planning for and/or installing large AGIs, it is recommended that 3-way gate valves be installed in the inlet piping system ahead of the AGI, to divert inlet flow for cleaning/maintenance purposes and in emergency situations.
- **IMPORTANT: Do not modify AGI system in any way. Do not weld on the AGI.**
- **Effluent Notice: The effluent FOG concentration may exceed desired levels if the AGI is not properly installed, operated or maintained.**
- **General AGI Cleaning Notice**
IMPORTANT: Over a period of time grease and fine solids can build up on the walls and floor of the AGI. It is recommended that any build-up be cleared out regularly. If improperly maintained, the AGI may malfunction.
IMPORTANT: An inspection and maintenance log should be kept and be available for ready reference.

Installation

Typical Plumbing Installations

All installations are subject to local codes and regulations. The Highland AGI is manufactured in two distinct flow patterns depending on the proximity of the unit to the fixture being serviced and available space for proper operation and maintenance. The flow pattern can be right to left or left to right.



Installation

Carefully remove the AGI covers to avoid damage to the gasket. Inspect the interior of the AGI to insure that all baffles, heating elements, skimming devices and internal piping are secure and have not been damaged during transport.

Placement

The AGI must be installed in a level position and should be located as close to the fixture(s) being serviced. Check elevations at each end of the unit with a level and adjust as necessary.

Piping

Piping flow direction is marked at factory as AGI "IN" and "OUT".

Attach inlet and outlet piping (contractor supplied) to the provided no hub connections with a code approved coupling device. Keep piping as straight as possible and utilize sweeps and gradual change in directions to minimize shearing and turbulent flows.

Inlet and outlet piping must be sloped according to local codes (usually 1/16" to 1/4") to maintain proper gravity flow in and out of the AGI.

IMPORTANT: The Highland AGI does not have an internal gas trap. Install a running "P" trap and vent after the unit discharge per local and state plumbing/building code.

Electrical Instructions
Models
AGI - 15 - 20 - 25 - 30
35 - 50 - 75 - 100

IMPORTANT: Follow all local and state electrical and safety codes, the National Electrical Code (NEC) and the Occupational Safety Health Act (OSHA).

Caution: Disconnect power before installing or servicing.

UNIT MUST BE PLUGGED INTO A GFI PROTECTED POWER SOURCE.

The Highland AGI is pre-wired at the factory to include one 24-hour digital time control panel. The time control device is factory set to operate daily, based on the size (GPM rating) of the unit. The digital time control device operates the disc skimmer(s) and immersion heater(s).

Mount the NEMA 3R digital control device (supplied) onto wall. The power cord (supplied) from the digital control device plugs into a properly grounded 3-prong, 120VAC, 20 amp circuit. Power to the unit is indicated by the **GREEN** light mounted on the digital timer control panel.

Note: The **GREEN** light indicates that there is power to the unit, not that the units is in operational mode.

Start-Up

Warnings

Caution: Electrical equipment, connections and wiring must be protected from submergence in and infiltration of water at all times.

Purchaser must be certain that final state of wiring is in compliance with all applicable electrical and fire codes for location and intended service.

Filling Tank

Procedure to fill AGI tank is as follows:

1. Open the unit inlet and outlet pipe valves (if installed)
2. Remove top cover and fill tank with clean, fresh water
3. Tank is full when water drains through outlet
4. After filling tank, verify water flow as follows:
 - a. Allow water to flow through sink drain leading to unit inlet
 - b. Check outlet pipe to make sure water is passing through the unit and that no blockage exists
5. Check inlet pipe and sink drain for any water backup

Operation

IMPORTANT: The AGI unit MUST be full of water to operate!

The Automatic Grease Interceptor is designed for gravity separation of fats, oils, and grease (FOG) along with food scraps and solids from wastewater discharged from institutional and commercial kitchens. The interceptor removes grease automatically, collecting it neatly in a disposal container from which it can be disposed and recycled with other grease by a rendering firm.

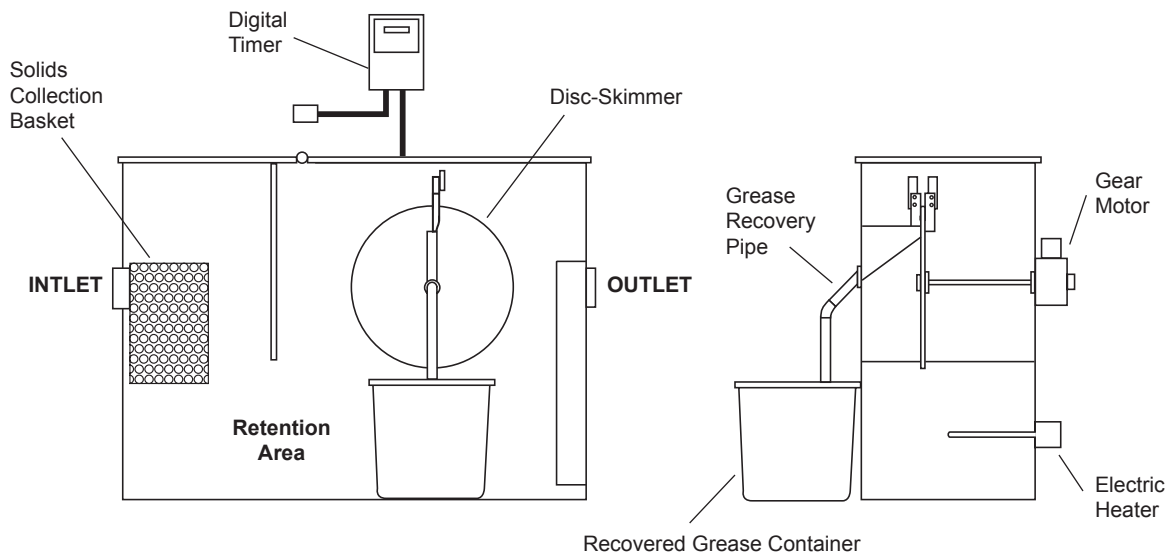
The AGI unit is usually connected to the drain lines between the pot washing sink, pre-rinse station (prior to the dishwasher) sink, etc. and the sewer drain. The AGI is relatively small, allowing for installation under the sink or other limited space. Screen basket maintenance, which is done daily, is fast and easy to do.

When greasy water enters the unit, it flows through the screen basket and strikes the inlet baffle. This slows the water velocity keeping it from disturbing the grease in the retention area. As the water enters the retention area, the grease is separated by gravity floatation.

Since grease is lighter than water, it floats and remains in the retention area between the two baffles. The Diskskimmer™ skims the liquefied grease off the top surface of the water.

The Diskskimmer™ is an electrically powered grease-skimming device, which operates on a time, or event-controlled basis. The oleophilic plastic disc rotates and causes the grease to adhere to it where the disc enters the water. As the disc rotates, the grease is carried with it until it passes between the scraper blades. The skimmed grease is scraped from the disk surface, directed into a trough, and drained via a conduit from the interceptor into the disposal container. Clean water flows under the discharge baffle and out of the AGI to the sewer drain. If properly sized and maintained, the AGI is capable of reducing the floatable fats, oils, and grease content in the discharge wastewater to 100ppm or less!

The AGI is fitted with thermostatically controlled electric immersion heaters for elevating the temperature in the interceptor to maintain the contained grease in a liquid state for skimming purposes. The unit is also fitted with a 120 Volt/60 hertz gear motor to operate the Diskskimmer and one 24-hour digital clock timer to control the system.



Mechanical Sequence of Operation

One (1) 24-hour digital clock timer to control the AGI. Clock timer is preset from the factory based on the size (GPM rating) of the unit.

The disc motor and heater should run a total of 1-1/2 hours in a 24 hour period.

Note: Disc rotation is set by factory.

IMPORTANT: Normal operating temperature is 110° (set at factory). Some installations may require a hotter operating temperature. Adjust as needed. Do not exceed 125°.

Digital Timer Operation

See Appendix A for complete details for wiring and timer settings.

VERY IMPORTANT: In case of power failure - timer has an internal battery that will maintain clock time and retain operating presets.

If the digital control device needs programming please refer to Appendix A instructions at the end of this manual.

Recommended settings for each size unit are as follows.

AGI-15 Set to run for 1 ½ hours once daily
AGI- 20 Set to run for 2 hours once daily
AGI- 25 Set to run for 2 ½ hours once daily
AGI- 30 Set to run for 3 hours once daily
AGI- 35 Set to run for 2 hours twice daily
AGI- 50 Set to run for 2 Hours twice daily
AGI-75 Set to run for 2 ½ hours twice daily
AGI-100 Set to run for 3 hours twice daily

Maintenance

Optimum Performance The AGI is designed for long-term, trouble free operation, but daily maintenance and keeping the AGI unit free from grease and solids buildup is required for optimum performance.

IMPORTANT: An inspection and maintenance log should be kept and be available for ready reference.

IMPORTANT: Make sure that pot sinks have permanent strainers and that the AGI unit's screen baskets are always cleaned, undamaged and properly placed to avoid flooding.

Caution: Always disconnect power to AGI before cleaning or servicing unit.

Daily Maintenance

Caution: To avoid flooding, never permit screen basket to become more than 1/2 full.

The following maintenance procedures should be performed daily:

1. Screen basket should be checked and emptied twice daily, thoroughly cleaned of all food particles, and put back in place. If a second screen basket is not available, this must be done quickly, to prevent wastewater solids from entering the unit.
 - a. To clean strainer, carefully remove unit cover
 - b. Tilt and lift strainer forward until strainer clears intake pipe. (On top inlet-type AGI, slide strainer out, clean and replace).
 - c. Remove strainer lid
 - d. Thoroughly clean strainer and replace
2. Discharge tube / exterior grease container should be checked daily to verify grease flow.
3. If grease is not flowing, do the following:
 - a. Check timer to see if AGI unit is running
 - b. Remove large lid to see if there is grease in the AGI unit
 - c. Make sure disc is rotating
 - d. Make sure scraper blade assembly is in place on disc
 - e. If disc is rotating, check sump pump discharge tube and scraper blade area for blockage
4. If excess water appears in grease container, reset timers to run for shorter period of time.

Weekly Maintenance

The following maintenance procedures should be performed weekly:

1. Tank should be flushed as follows:
 - a. Remove large lid
 - b. Turn on water spigots at pot sink and flush water through unit.
 - c. Stir bottom of tank while water is running, to remove silt or particles that have settled on bottom. (If bottom solid buildup cannot be removed, tank should be pumped out.)
 - d. Shut off water from spigot and replace large lid
2. Disc should be inspected as follows: (for Models 75-100, lift off inspection lid over disc).
 - a. Lift off large lid.
 - b. Inspect grease retention area and remove any accumulation of kitchen waste from scraper blades and sump.
 - c. Remove any floating solids in grease retention area and replace lid

IMPORTANT: Floating solids will prevent grease from contacting disc.
3. Make sure clock timers are set and running.

General Maintenance

Remove cover and oil disc shaft bearings once a month.

Inspect and replace cover gasket(s) as necessary.

Water Discharge

If solids build up within the AGI, the unit should be pumped out. The plastic disc within the AGI unit is hydrophobic (water repellent). When revolving through a layer of grease, water pickup is negligible. When revolving through only a thin sheen of grease, small globules of water may adhere to disc and discharge into the container. If the disc is picking up a lot of water, the gear motor is running too long. Reduce running time on motor time clock.

Waste Disposal

A certified waste disposal company should handle disposal of all waste product.

Trouble Shooting

Operating problems can be caused by many factors. The following trouble shooting guide lists the most common problems, along with their possible causes and suggested remedies. Specific questions can always be directed to Lowe Engineering at (814) 443-6800.

No Evident Grease Discharge

If there is no grease discharge from the unit, check the following:

1. Sump discharge tube may be clogged
2. Grease retention area may contain floating solids near disc

If floating solids are found in the retention area, make sure screen basket is cleaned before pot sinks and dishwashers are drained. A second screen basket is recommended for single basket units to help facilitate cleaning.

Smoking Grease / Burnt Disc

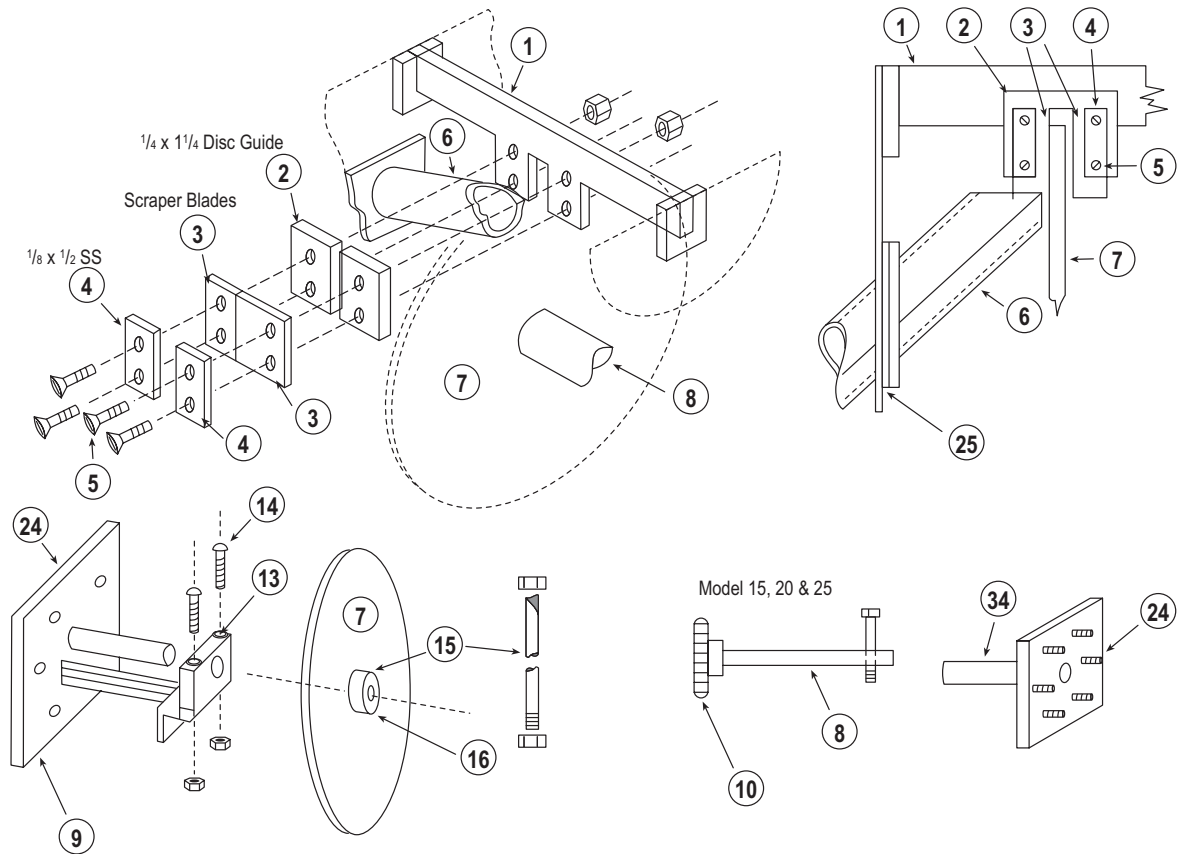
Smoking grease or disc burn is caused by:

1. Starting the machine without water in tank.
2. Grease buildup extending down to heating element

	POSSIBLE CAUSE	REMEDY
Excessive FOG in Effluent	Flow rates exceeding rated capacity	Decrease flow
	Chemical emulsification	Remove source of harmful chemicals
	Grease levels greater than rated storage capacity causing separated grease to carry-over	Remove grease
	Excessive flow turbulence within AGI	Check for trash in screen basket or inlet piping
System Back Up	Excessive sludge or debris buildup	Clean out AGI unit
	Closed inlet or effluent piping valve	Open piping valves completely
	Trash	Clean catch basin, trench drains or interceptor
High Suspended Solids Content in Effluent	Excessive sludge or debris buildup	Clean out AGI unit

Parts Repair and Replacement

AGI Models 15, 20, 25, 25L, 30, 35, 50, 75, 100



- | | | |
|-------------------|--------------------------|----------------------------------|
| 1. Scraper Bar | 10. Shaft Sprocket | 19. Gear Motor* |
| 2. Disk Guide | 11. Nylon Shaft Bearing | 20. Screen Basket* |
| 3. Scraper Blades | 12. Bolt & Nut (2) | 20. Screen Basket Lid* |
| 4. Hold Downs | 13. Nylon Disk Hub | 21. Screen Basket Gasket* |
| 5. Screws (4) | 14. Bolt & Nut (3) | 22. Digital 24-hour Clock Timer* |
| 6. Sump Tube | 15. Bronze Shaft Bushing | 23. Immersion Heaters 115V* |
| 7. Plastic Disk | 16. Shaft Bracket Gasket | 24. Thermostat* |
| 8. Disk Shaft | 17. Bolt & Nut (1) | 25. Motor Sprocket* |
| 9. Shaft Bracket | 18. Drive Chain* | |

* Items not shown in diagrams

Disc Replacement

Disc replacement as follows:

1. Remove 3/16" stainless steel stud #15 from hub and slide shaft out of tank about 2"
2. Remove disc and replace with new disc

Scraper Blade Replacement

Scraper blade replacement as follows:

1. Remove large lid
2. Lift scraper blade assembly from tank (#1 on Parts diagram)
3. Remove 6-32 flat head screws (#5) and scraper blade hold downs (#4) to replace scraper blades (#3)
4. Straddle scraper blades over disc

IMPORTANT: Keep scraper blades in proper position

Appendix A

Electronic 24-Hour Time Switch

With Battery Carryover

Description

The Intermatic ET1100 Series Electronic 24-Hour Time Switch automatically switches loads to a preset daily schedule with to-the-minute accuracy.

Use the ET1100 series as an ON/OFF timer in applications requiring 24-hour load control such as lighting, air conditioning systems, pumps, etc. Each load output of the Time Switch can support up to 14 timed ON and 14 timed OFF events per day. The program can be overridden by pushing the ON/OFF load override button(s).

The ET1100 Series Time Switch is designed to directly switch tungsten or ballast loads up to its rating, and inductive or resistive loads up to 30A at 120, 208, 240, or 277 VAC.

Specifications

Time Switch

- Input Voltage: 120/208/240/277 VAC, 50/60 Hz
- Power Consumption: 6.0 watts max.
- Contact Configuration: SPST (ET1105C), DPST (ET1125C), and SPDT (ET1115C). See wiring diagrams on next page.

Switch Ratings—ET1105C, ET1125C (per pole)

- 30A Inductive/Resistive: 24/120/208/240/277 VAC, 60 Hz
- 20A Ballast: 120-277 VAC, 60 Hz
- 20A Resistive: 28 VDC
- 5 A Tungsten: 120/240 VAC, 60 Hz
- 1 HP: 120 VAC, 60 Hz
- 2 HP: 240 VAC, 60 Hz

Switch Ratings—ET1115C (NO/NC) Normally Open/Normally Closed Contact

- 20A/10A Inductive/Resistive: 120/208/240/277 VAC, 60 Hz
- 20A/10A Resistive: 28 VDC
- 6A/3A Ballast: 120-277 VAC, 60 Hz
- 5A/3A: 120/240 VAC Tungsten
- 1 HP / 1 HP: 120 VAC, 60 Hz
- 2 HP / 1 HP: 240 VAC, 60 Hz

Set Points (Events)—Each load output of the Time Switch can support up to 14 timed ON and 14 timed OFF events per day.

Battery-Powered Clock Operation—2 years minimum (uses 2 AAA industrial grade alkaline batteries, supplied)

Minimum ON or OFF time—1 minute

Maximum ON or OFF time—23 hours, 59 minutes

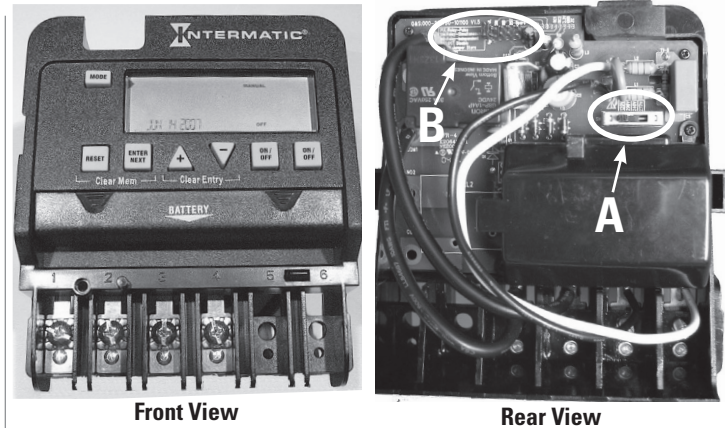
Shipping Weight—2.5 lb. (1.1 kg)

Enclosures—Three enclosure options are available.

- ET11x5C – NEMA 1 indoor metal enclosure
- ET11x5CR – NEMA 3R indoor/outdoor lockable metal enclosure
- ET11x5CPD82 – NEMA 3R indoor/outdoor lockable impact resistant polycarbonate enclosure with clear cover

Knockouts—Combination 1/2-3/4 inch size, 1 on back and each side, 2 on bottom

Wire Size—AWG #10 through #18



Front View

Rear View

⚠ WARNING—Risk of Fire or Electric Shock

- **Electrical shock hazard. To avoid fire, shock, or death, disconnect all power before installing or servicing time switch or connected loads.**
- **Follow local electrical and safety codes, National Electric Code (NEC) and Occupational Safety and Health Act Codes (OSHA).**
- **If the power disconnect point is out of sight, lock it in the OFF position and tag it to prevent unexpected application of power.**
- **This time switch must be grounded.**
- **Do not exceed maximum current carrying capacity.**
- **Always replace the plastic insulator covering the terminal before powering ON.**

Installation Instructions

WARNING: Disconnect the power to the Time Switch and the loads before installation.

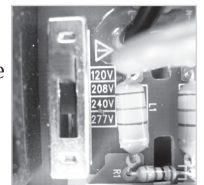
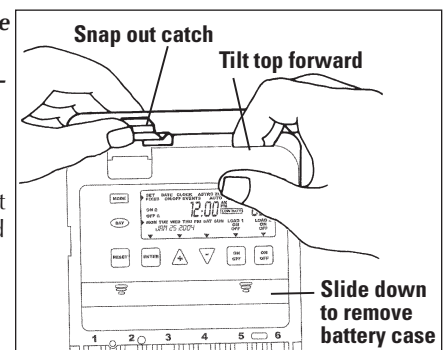
1. Remove the mechanism from the case by depressing the catch at the top of the case and pulling out, as shown.

CAUTION: Do not touch circuit board components since static discharge could damage the microprocessor.

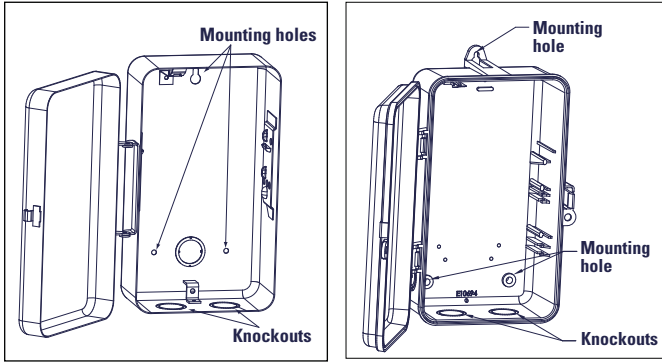
2. Set voltage selector for desired input voltage. The timer is shipped with voltage set for 120 VAC. To operate at 208, 240 or 277 VAC, move the selector switch to the desired setting as marked on the circuit board. See location A in Rear View above and detail at the right.

3. The timer is shipped with DST (Daylight Saving Time) enabled. To disable DST, insert a jumper at location marked DST. See location B in Rear View above and detail at the right.

4. **ET1125C ONLY**—Decide whether you want to control multiple loads simultaneously (SIM), independently (IND), or with a 2-second pulse

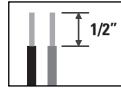


- Mount the enclosure in the desired location using the 3 mounting holes provided.



Position at eye level if possible, providing space to the left of the enclosure for the cover to swing open fully, as shown.

- Replace the mechanism in the enclosure.
- Lift the left side of the plastic insulator off the retaining post and pivot it up and away to expose the terminal strip.
- Strip the supply and load wires to 1/2".

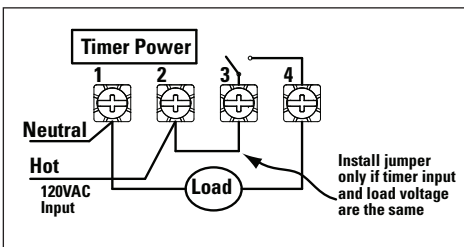


Use AWG#10-#18 copper conductors only.

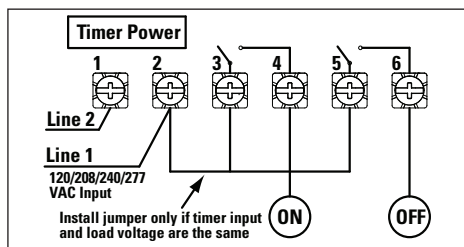
- Insert the wire ends under the proper terminal plates (see wiring diagrams elsewhere on this page) and tighten the screws firmly.
- Connect ground wire to grounding terminal at bottom of enclosure.
- Replace the plastic insulator on the retaining post.
- Remove the battery case by sliding it down as shown by the arrows, then install 2 AAA alkaline batteries. Make sure the batteries are pointing in the direction shown.
- Verify that the display is **ON** to make sure the batteries are OK.
If the display shows scrambled information, press the RESET button to clear it up.
- Apply power to the Time Switch.

15. IMPORTANT: Press and hold the **ENTER** button, then press the **RESET** button. The screen will flash 12:00 AM, and timer status is Manual Mode.
NOTE: You must reset the time switch using this procedure whenever you change the jumpers.

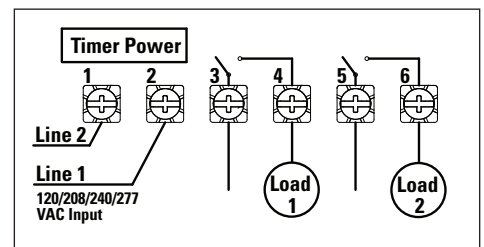
The Time Switch is now ready for programming.



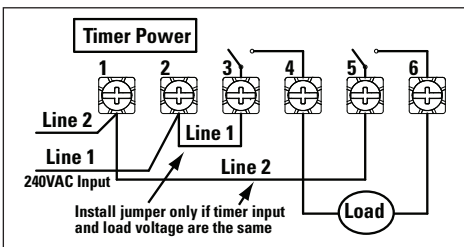
ET1105 configured for SPST, 120 VAC load



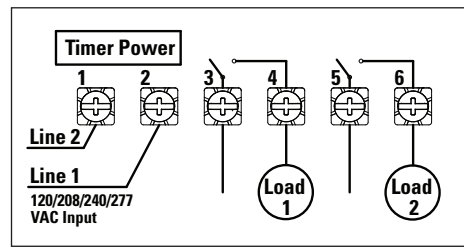
ET1125 configured for pulse SPST load with jumper set to PUL



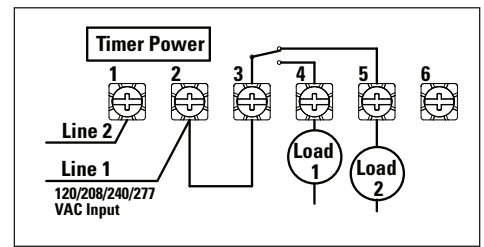
ET1125 configured for 2 SPST loads with jumper set to IND



ET1125 configured for 240VAC DPST load with jumper set to SIM



ET1125 configured for DPST loads with jumper set to SIM



ET1115 configured for SPDT load switching

Programming Overview

By pressing the **MODE** button, the Time Switch will cycle through the menus necessary for programming the current time, date, and timed events.

The basic procedure is to use the **MODE** button to move from one menu to the next (e.g., DATE, TIME, etc.), the + or - buttons for the first part of a setting (e.g., MONTH), the **ENTER** button to move to the next part of the setting (e.g., YEAR), then **MODE** to exit and move to the next menu. To skip a menu, press **MODE** to move ahead.

If you make a mistake, press the MODE button repeatedly to cycle back around to the error, then make the correct entry.

NOTE: DATE and TIME must be set before you can access any other programming menus.

1 – Setting Date

- Press the **MODE** button repeatedly until the words SET and DATE appear in the upper area of the display.
- Press the + or - buttons to enter the current Month.
- Press the **ENTER** button when the Month is correct to save the setting. The screen advances to current Date.
- Again press the + or - buttons to enter the current Date, followed by the **ENTER** button.
- Repeat to set the correct Year.
- Press the **MODE** button to exit and advance to setting the time.

2 – Setting Time

1. If necessary, press the **MODE** button repeatedly until the words SET and CLOCK appear in the upper area of the display.
2. Press the + or – buttons to enter the current time.
NOTE: To go from AM to PM, keep pressing the + or – buttons to cycle through the day. You can hold the + or – buttons down for 3 seconds to make the time scroll quickly.
3. Press the **MODE** button to exit and advance to setting events.

3 – Setting Fixed Timed Events

1. If necessary, press the **MODE** button repeatedly until the words SET, FIXED, ON/OFF EVENT and EVENT 1 appear on the display.
2. If necessary, press the **ENTER** button to display ON @ or OFF @ (depending on what you want to set).
3. Press the + or – buttons to enter the time you want to set.
NOTE: To go from AM to PM, keep pressing the + or – buttons to cycle through the day. You can hold the + or – buttons down for 3 seconds to make the time scroll quickly.
4. **ET1125C ONLY**—For a multi-circuit device with loads set independently, you can choose the load you want the event to control. The default setting is for both loads, as you can see on the display. Press the **ON/OFF** button under a load to remove the load from the event.
5. When you have set the event correctly, you have two choices:
 - Press the **ENTER** button to set the next fixed time event (up to 28 events).
 - Press the **MODE** button to exit.

Operating the Time Switch

Press the **MODE** button repeatedly to select the desired operating mode on the display. There are 2 options:

- **AUTO**—where the Time Switch follows the events you have programmed, turning the circuits ON and OFF at the time(s) set.
*NOTE: You can override programmed events and force the Time Switch ON or OFF by pressing the **ON/OFF** button.*
- **MANUAL**—where any events set are disabled and the Time Switch controls all circuits through the **ON/OFF** button.
*NOTE: You can review or edit any programmed events at any time by pressing the **MODE** button repeatedly to return to the appropriate menu, then following programming instruction provided on this sheet.*

OPTIONAL – Deleting (Clearing) an Event

Use this procedure to clear the settings programmed for an event.

1. If necessary, press the **MODE** button repeatedly until the words SET, FIXED, and ON/OFF EVENTS are shown on the display.
2. Press the **ENTER** button as necessary to cycle through events that have been set until you see the event you want to delete.
3. Press the + or – buttons AT THE SAME TIME to display --:-- --.
4. Press the **MODE** button to exit.

Battery Maintenance

- Batteries can be easily replaced without removing the Time Switch mechanism or field wiring.
- Press in and downward (in the direction of the arrows) on the battery cover.
- It is recommended to replace the batteries every 2-3 years with 2 AAA industrial grade alkaline cells as part of normal maintenance on the Time Switch.
- Be sure to observe battery polarity markings when installing batteries.
- No other battery maintenance is required.

LIMITED ONE-YEAR WARRANTY

If within one (1) year from the date of purchase, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it, at its sole option, free of charge. This warranty is extended to the original household purchaser only and is not transferable. This warranty does not apply to: (a) damage to units caused by accident, dropping or abuse in handling, acts of God or any negligent use; (b) units which have been subject to unauthorized repair, opened, taken apart or otherwise modified; (c) units not used in accordance with instructions; (d) damages exceeding the cost of the product; (e) sealed lamps and/or lamp bulbs, LED's and batteries; (f) the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear; (g) transit damage, initial installation costs, removal costs, or reinstallation costs.

INTERMATIC INCORPORATED WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY MODIFIED TO EXIST ONLY AS CONTAINED IN THIS LIMITED WARRANTY, AND SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

This warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing the product, along with proof of purchase, postage prepaid to the authorized service center listed below. This warranty is made by: Intermatic Incorporated/After Sales Service/7777 Winn Rd., Spring Grove, Illinois 60081-9698/815-675-7000 <http://www.intermatic.com> Please be sure to wrap the product securely to avoid shipping damage.

Highland Tank

*Manufacturing the Original
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