



PRODUCT DOCUMENT PACK

Prepared and distributed by KW Commercial Kitchen

PRODUCT

Woodson W.FRSA110 Countertop Digital Autolift Fryer – 11L, ROI Benefits

Model / SKU: W.FRSA110

KW COMMERCIAL KITCHEN

7/72 Canterbury Road, Bankstown NSW 2200

Phone 1300 001 366

Email sales@kwcommercial.com.au

Web www.kwcommercial.com.au



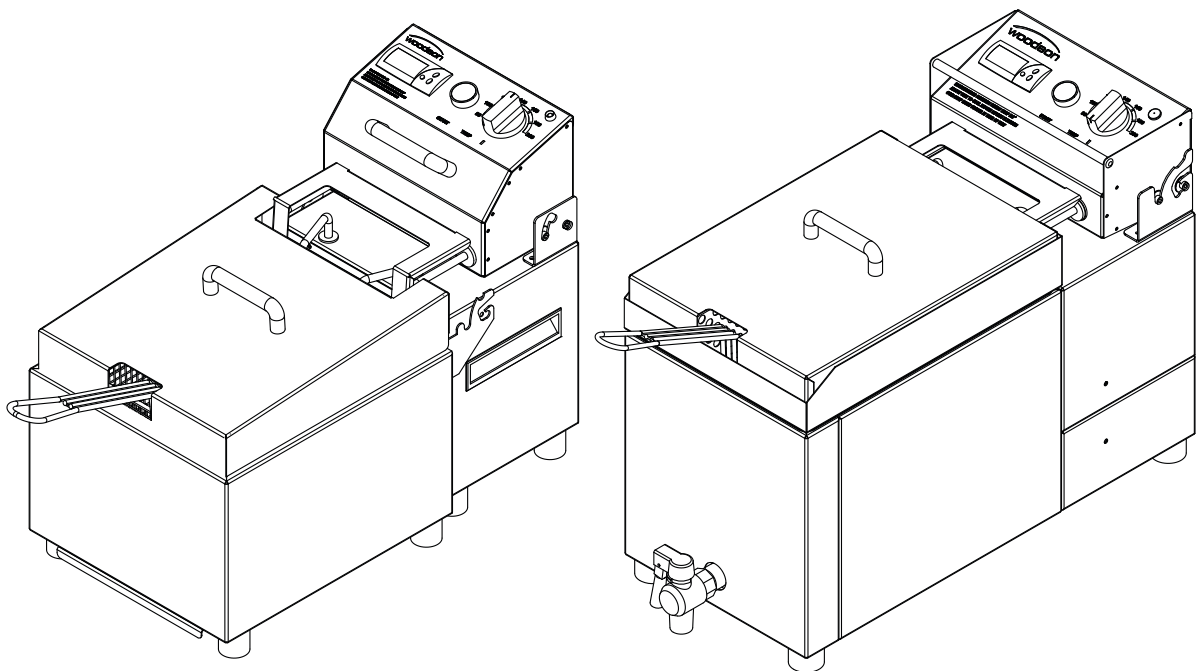
Scan for the current KW product page

DOCUMENT NOTICE

The supplier document begins on the next page. KW contact branding is added in a separate footer area and does not replace the supplier's instructions, specifications or warranty terms.

**SPECIFICATION, INSTALLATION
AND OPERATION MANUAL**
READ ALL INSTRUCTIONS BEFORE USE

Woodson Fryer - Digital Auto Lift



Models:
W.FAS80 / W.FRSA110

A guide on the use, care and maintenance
of your quality Woodson product

Page Intentionally Left Blank

Introduction

Your New Woodson Product3

Australia and New Zealand Warranty4

 Warranty Period

 Warranty Registration

General Precautions4

Product Overview5

Setting Up6

 Handling

 Unpacking

 Positioning

 Disposal

Specification

Electrical Connection7

 Information

Technical Specifications8

 W.FAS80

 W.FRSA110

Operation

Initial Start-up & Operation9

 Control Panel

 Important Information

 Initial Start-up

 Operation - Automatic

 Operation - Manual

 Over Temperature Cut-Out

 After Hours

Digital Timer Operation10

 Parameters

LCT316 Digital Controller11

Cleaning and Maintenance

Cleaning12

 General Information

 Corrosion Protection

 Surface Finish

 Cleaning Schedule

 Materials Required

 Cleaning Procedure - W.FAS80

 Cleaning Procedure - W.FRSA110

Troubleshooting14

 Display Messages

Due to continuous product research and development,
the information contained herein is subject to change without notice.

Your New Woodson Product

Thank you for choosing this quality Woodson product.

All Woodson products are designed and manufactured to meet the needs of food service professionals. By caring for and maintaining this new Woodson product in accordance with these instructions, will provide many years of reliable service.

Stoddart is a wholly Australian owned company, which manufactures and/or distributes a comprehensive range of food service equipment for kitchens, food preparation and presentation. Stoddart products are manufactured and engineered to provide excellent results whilst offering value-for-money, ease-of-use and reliability.

Carefully read this instruction booklet, as it contains important advice for safe installation, operation and maintenance. Keep this booklet on hand in a safe place for future reference by other operators or users.

Disclaimer

The manufacturer/distributor cannot be held responsible or liable for any injuries or damages of any kind that occur to persons, units or others, due to abuse and misuse of this unit in regards to installation, removal, operation, servicing or maintenance, or lack of conformity with the instructions indicated in this documentation.

All units made by the manufacturer/distributor are delivered assembled, where possible, and ready to install. Any installation, removal, servicing, maintenance and access or removal of any parts, panels or safety barriers that is not permitted, does not comply in accordance to this documentation, or not performed by a **TRAINED AND AUTHORISED SPECIALIST** will result in the **IMMEDIATE LOSS OF THE WARRANTY.**

The manufacturer/distributor cannot be held responsible or liable for any unauthorised modifications or repairs. All modifications or repairs must be approved by the manufacturer/distributor in writing before initiating. All modifications or repairs performed to this unit must be performed at all times by a **TRAINED AND AUTHORISED SPECIALIST.**

**Stoddart design, manufacture & distribute Food Service Equipment (appliances) exclusively for the commercial market.
This appliance is not designed nor intended for household or domestic use and must not be used for this purpose.**

This product is intended for commercial use, and in line with Australian electrical safety standards the following warnings are provided:

- This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard



Due to continuous product research and development, the information contained herein is subject to change without notice.

www.stoddart.com.au

www.stoddart.co.nz



Warranty & Registration

Australia and New Zealand Warranty

Warranty Period

Stoddart 12 month on-site parts and labour warranty (terms and conditions apply), from the time of purchase.

To view or download the warranty terms and conditions visit: <http://www.stoddart.com.au/warranty-information>

Warranty Registration

To register your new product, go to the Stoddart warranty page: <http://www.stoddart.com.au/warranty-registration>



General Precautions

When using any electrical unit, safety precautions must always be observed.

Our units have been designed for high performance. Therefore, the unit must be used exclusively for the purpose for which it has been designed.

- All units **MUST** be installed according to the procedures stated in the installation section of this manual
- In the case of new personnel, training is to be provided before operating the equipment
- **DO NOT** use this unit for any other purpose than its intended use
- **DO NOT** store explosive substances such as aerosol cans with a flammable propellant in or near this unit
- Keep fingers out of "pinch point" areas
- Unit is not waterproof **DO NOT** use jet sprays, hoses or pour water over/on the exterior of the unit
- Only use this unit with voltage specified on the rating label
- **DO NOT** remove any cover panels that may be on the unit
- **DO NOT** use sharp objects to activate controls
- **DO NOT** use sharp objects to remove ice from the unit
- If any fault is detected, refer to troubleshooting
- The manufacturer declines any liability for damages to persons and/or things due to an improper/wrong and/or unreasonable use of the machine
- Only specifically trained/qualified Technicians (Stoddart, one of our service agents, or a similarly qualified persons) should carry out any and all repairs, maintenance and services

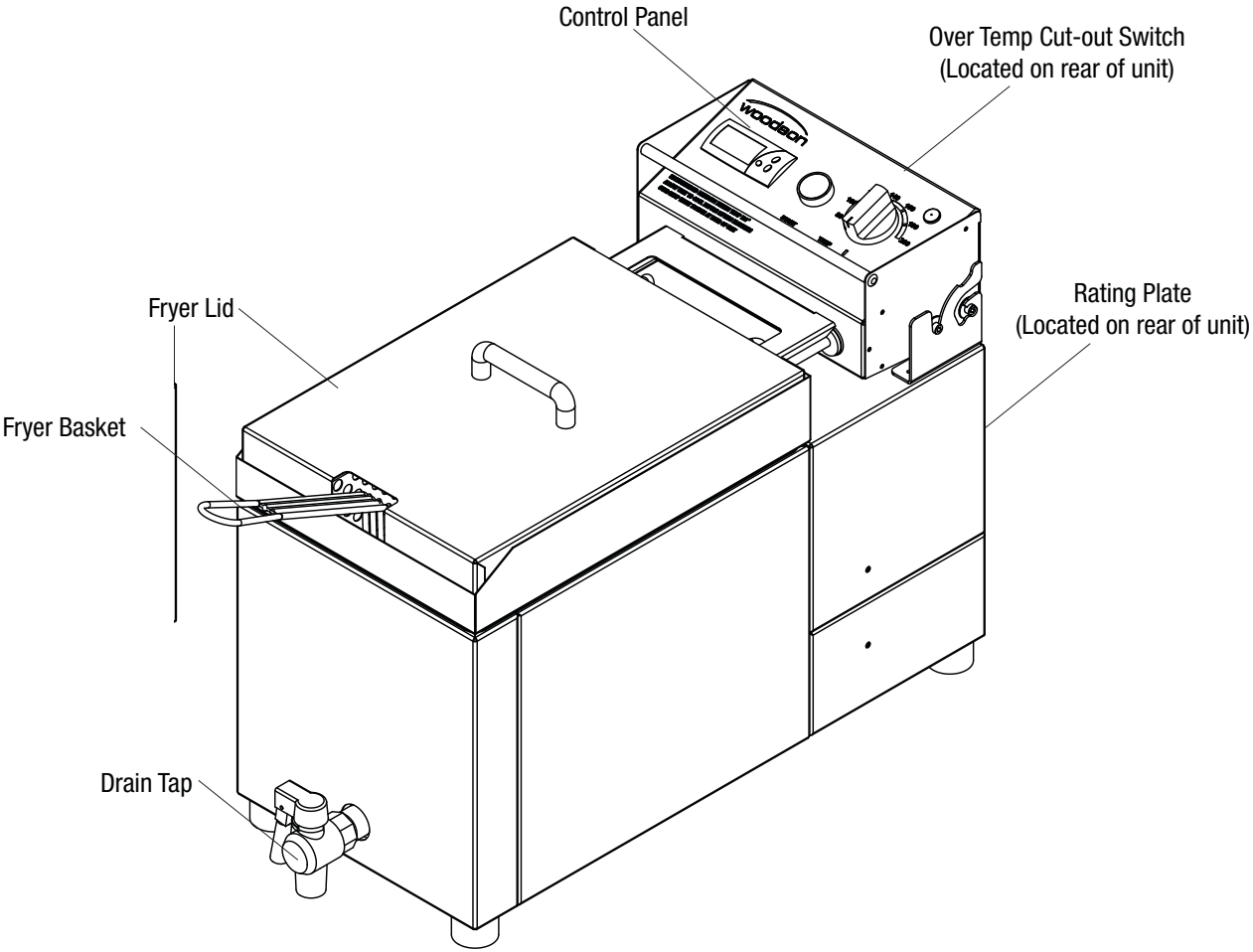
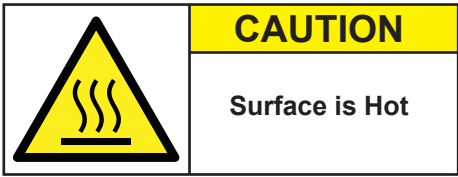
Due to continuous product research and development,
the information contained herein is subject to change without notice.

www.stoddart.com.au

www.stoddart.co.nz



Product Overview



Setting Up

	WARNING
	Improper installation, adjustments, alterations, service or maintenance can cause property damage, injury or death.

Handling

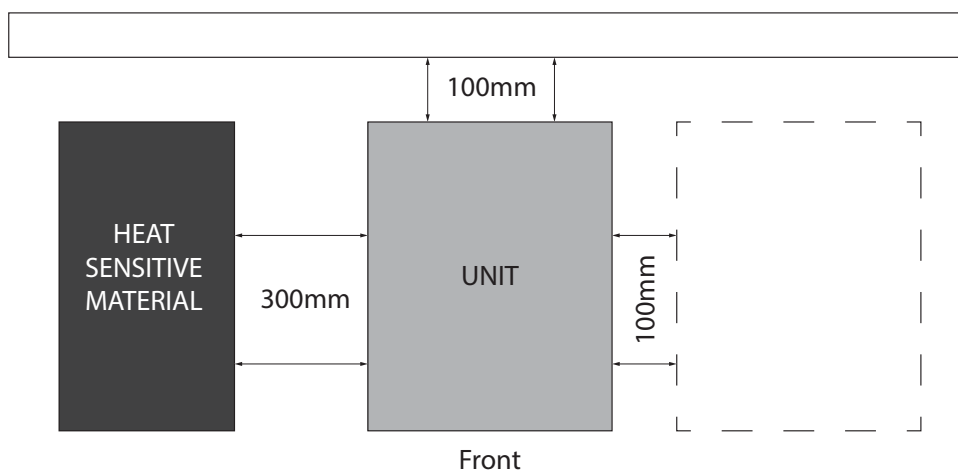
- Use suitable means to move the unit: e.g.
 - For smaller items use two people
 - For large items a fork lift, pallet trolley or similar (the forks should reach completely beneath the pallet)

Unpacking

- Check the unit for damage before and after unpacking. If unit is damaged, contact the distributor and manufacturer
- Should any item have physical damage, report the details to the freight company and to the agent responsible for the dispatch within seven (7) days of receipt. No claims will be accepted or processed after this period
- The unit is supplied fully assembled
- Remove all protective plastic film, tapes, ties and packers before installing and operating
- Clean off any remaining residue from the interior/exterior of the unit using a clean cloth dampened with warm soapy water

Positioning

- Choose an area that is well ventilated and provides access for future maintenance
- Place the unit on a level stable work surface capable of supporting its weight
- Do not position the unit in: wet areas, near heat and/or steam sources, near flammable substances
- Allow an air gap between the unit and other objects or surfaces. A minimum gap of 100mm from all sides is recommend for normal operational use (if the unit is near any heat sensitive material, allow additional space), example below.



- Please consult national and local standards to ensure that your unit is positioned in accordance with any existing requirement

Disposal

- At the end of the appliance's working life, make sure it is scrapped & components recycled properly
- Current environmental protection laws in the state/country of use must be observed
- Doors must be removed before disposal (if applicable)
- Power supply cable must be removed before disposal
- For further information on the recycling of this product, contact the local dealer/agent or the local body responsible for waste disposal

Due to continuous product research and development, the information contained herein is subject to change without notice.

www.stoddart.com.au

www.stoddart.co.nz



Electrical Connection

Information

	WARNING
	This unit must be installed in accordance with local electrical regulations/requirements. Some procedures in this manual require the power to the equipment to be turned off and isolated. Turn the power OFF at the power point and unplug the power supply lead by the plug body. If the power point is not readily accessible turn the equipment off at the isolation switch or the circuit breaker in the switchboard. Attach a yellow “CAUTION-DO NOT OPERATE” tag. This must be performed where relevant unless the procedures specify otherwise. FAILURE TO DO SO MAY RESULT IN ELECTRIC SHOCK.

Single Phase Units:

- Supplied and fitted with an appropriately rated plug and lead, indicated as:
 - 10A plug & lead fitted
 - 15A plug & lead fitted

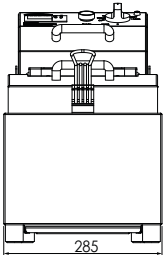
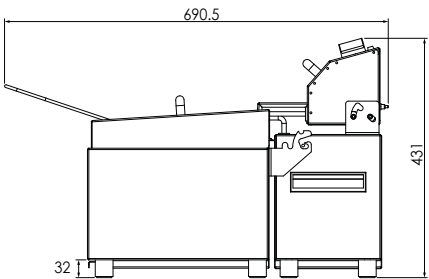
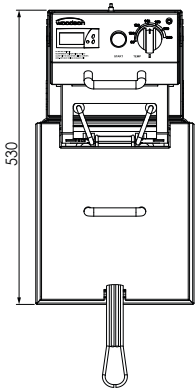
Notes:

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Please contact Stoddart for parts and we will advise how to do this in order to avoid any electrical hazard
- The power cable should be dry and/or isolated from moisture or water

Technical Specifications

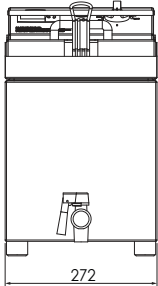
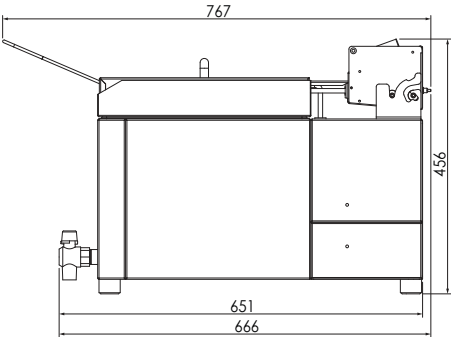
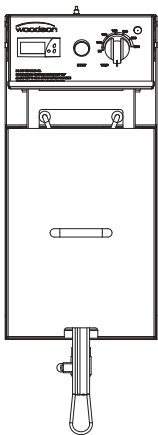
W.FAS80

Specifications	
Model	W.FAS80
Height	421mm
Width	272mm
Depth	530mm (with basket 690.5mm)
Circuit	Dedicated x 1
Power	240V 2.9kW 15A plug & lead fitted
Capacity	8Litre



W.FRSA110

Specifications	
Model	W.FRSA110
Height	456mm
Width	272mm
Depth	666mm (with basket 767mm)
Circuit	Dedicated x 1
Power	4.8kW 20A plug & lead fitted
Capacity	11Litre



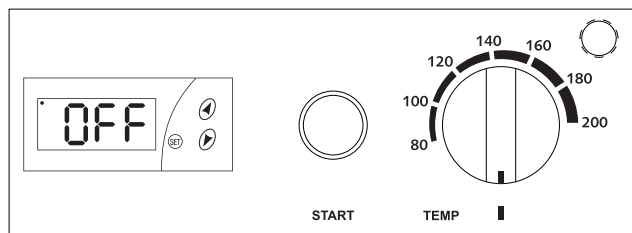
Due to continuous product research and development,
the information contained herein is subject to change without notice.

www.stoddart.com.au
www.stoddart.co.nz



Initial Start-up & Operation

Control Panel



Important Information

- Only use a good quality oil purchased in liquid state (ie: Vegetable oil, Canola oil etc.) DO NOT use solid oil under any circumstances
- Never use copper, brass or plastic utensils in oil
- Keep unit covered when not in use. DO NOT place lid over hot oil
- Check oil daily (some foods that are fried degrade oil quicker than others), change if necessary and ONLY when oil has cooled down
- The use of old cooking oil can reduce the flash point of the oil and make it more prone to surge boiling
- Surge boiling can also be caused by over wet food or too large a charge of food
- A fire danger exists if the oil level is below the minimum marked level or there is no oil in the fryer pot
- DO NOT turn the thermostat (TEMP) dial on without oil in the fryer pot

Thermostat settings for most foods is between 170°C and 180°C. For foods direct from the freezer, allow 5°C higher temperature or slightly longer cooking time. Always shake cold water and ice from food before frying. As a general rule, for larger portions cook at a lower temperature a longer time. For smaller portions cook at a lower temperature for a shorter time. When the unit reaches the selected temperature, the thermostat pilot light will turn off, indicating that the power is no longer being drawn. As the temperature drops, the thermostat turns on and power is returned to the element.

Initial Start-up

1. Read the complete instruction manual before proceeding
2. Remove fryer lid and fryer basket
3. Connect the unit to the power supply. Ensure the electrical cable is not damaged and does not hang over the counter

Operation - Automatic

1. Set the digital timer parameters
2. Adjust the thermostat accordingly e.g. 180°C
3. Once the set temperature has been reached, add product to the fryer basket
4. Press the start button, the basket will lower into oil. When the timer finishes an audible sound is emitted and the fryer basket raises

Note: If required after the frying cycle finishes a secondary timer can be set to further cook the product, press the up/down arrow to select time then press set, the basket will lower and cook for the new value set (this value does not overwrite the saved parameters).

Operation - Manual

1. Set the digital timer parameters
2. Adjust the thermostat accordingly e.g. 180°C
3. Once the set temperature has been reached, add product to the fryer basket
4. Press the "SET" button, the fryer basket will lower into oil. To end frying, press the "SET" button to raise the fryer basket

Note: When the unit is in Manual Mode, the START button does not function

Over Temperature Cut-Out

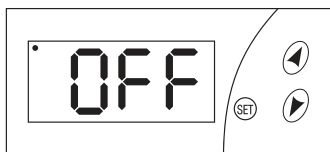
This unit is fitted with a over temperature cut-out switch. If the unit overheat over heats the cut-out switch will trigger causing the unit to turn off. To reset, allow the unit to cool and press the cut-out switch situated at the rear of the fryer head

After Hours

- The thermostat (TEMP) dial MUST be turned to the OFF (|) position (as shown at top of page)
- The unit MUST be switched off at the power supply
- Lid must MUST be placed on unit. DO NOT place lid over hot oil

Digital Timer Operation

When turning on the Fryer the digital control with display OFF, indicating there is no frying cycle in progress.



Parameters

- To adjust the digital controller parameters, press and hold "SET" for 10 seconds to enter the parameters menu
- After an individual parameter or multiple parameters have been entered/adjusted, wait 60 seconds for the digital display to return to the "OFF" screen. The parameters have now been saved

U_t **Time Unit:**

Countdown timer can use either Seconds (SEC) or Minutes (M_n)

- Press SET to adjust the parameter shown on the display
- The value can be modified with the UP and DOWN arrows
- Select either Seconds or Minutes
- Press SET to store the value and exit to next parameter

t_{OP} **Time Interval:**

The time interval can be set from 1-999 Seconds/Minutes

- Press SET to adjust the parameter shown on the display
- The value can be modified with the UP and DOWN arrows
- Select from 1-999 Sec/Mins
- Press SET to store the value and exit to next parameter

bc **Alarm:**

The alarm can be turned on or off. An audible sound emits when the countdown expires or is stopped.

- Press SET to adjust the parameter shown on the display
- The value can be modified with the UP and DOWN arrows
- Select Yes to turn alarm on, select no to turn alarm off
- Press SET to store the value and exit to next parameter

NA_n **Manual Control:**

When the timer countdown is not required, the manual setting can be selected.

- Press SET to adjust the parameter shown on the display
- The value can be modified with the UP and DOWN arrows
- Select On or Off
- Press SET to store the value and exit to next parameter

Due to continuous product research and development, the information contained herein is subject to change without notice.

www.stoddart.com.au

www.stoddart.co.nz

LCT316 Digital Controller

PARAMETERS

	Description	Units	Range
Ut	Time unit	option	Min/Sec
Top	Maximum time interval	time unit	1 to 999
Bc	Alarm	option	On/Off
Man	Manual control	option	On/Off

Parameter Descriptions

- Ut = Time unit - Minutes (min) or Seconds (sec).
- Top = Maximum Time Interval - For local starts via the set key. Remote starts count down from this value.
- Bc = Alarm - Buzzer sounds when the countdown expires or is stopped by the user via the SET key.
- Man = Manual Control - When the timer countdown is not desired, the timer can be operated to open and close the relay for indefinite periods of time. Switch the relay output off and on by means of the SET key.

Programming Parameters

- Press set for 8 seconds. The first parameter label is shown on the display (Ut).
- Move to the desired parameter with the UP and DOWN keys.
- Press SET to view the value on the display.
- The value can be modified with the UP and DOWN arrows.
- Press SET to store the value and exit to next parameter.
- Press SET and DOWN at the same time to quit programming or wait one minute and the display will automatically exit programming mode.

NOTICE

If the timer is activated via digital input during a previously running countdown, the timer will reset to the Top parameter and initiate a new countdown.

Local Operation

The user can set and activate the timer using the front keys.

- During Standby mode, press SET and "0" will be shown on the display.
- Modify the time interval with the UP and DOWN keys.
- Press SET to enter it and start the timer (close the relay output).
- To deactivate the timer (open the relay output), hold SET down for 1 second.

NOTICE

The time interval cannot exceed the pre-programmed "Top" parameter.

BUZZER

When the timer interval has expired, an internal buzzer will beep two times. This double beep will only occur once.

LED INDICATIONS

Upper LED Flashes during timer countdown. Lower LED This indicates the system is in Manual Control Mode.

DISPLAY MESSAGES In normal operation, the countdown time will be shown on the display.

- Run = Briefly displays when the timer is initiated.
- End = Briefly displays on the screen when the timer is stopped or at the end of time cycle.
- Off = Standby Mode.
- On or Off = Displayed during manual control.
- Er = Memory Error

SPECIFICATIONS

Operating Temperature Range: 0 to 70°C.

Control Output Ratings: Relay, SPST NO, 16A at 250 VAC resistive.

Weight: 5.6 oz (158.8 g).

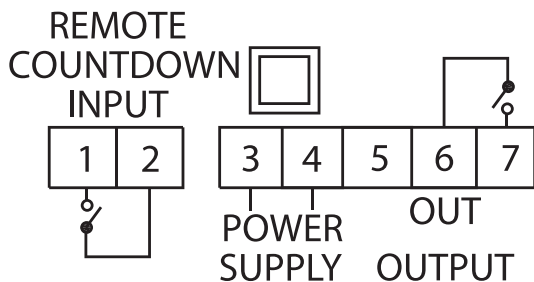
Status Light: LED shows time and operation.

Inputs: Digital input for start and reset.

Supply Voltage: 115 VAC, 230 VAC, 12 VAC/DC, 24 VAC/DC depending on model.

Power Consumption: 4VA.

Agency Approvals: CE, UR.



WIRING DIAGRAM

Figure A

Cleaning

General Information

- Cleaning is recommended for health and safety purposes and to prolong the life of the unit
- **DO NOT** use abrasive pads or cleaners on the stainless steel or any other metal parts of the unit
- **DO NOT** use industrial chemical cleaners, flammable cleaners, caustic based cleaners or bleaches and bleaching agents, as many will damage the metals and plastics used on this unit
- **DO NOT** remove any screws and/or panels for cleaning (unless directed)
- This unit is **NOT** waterproof, **DO NOT** hose, **DO NOT** pour water directly onto the unit, **DO NOT** immerse in water

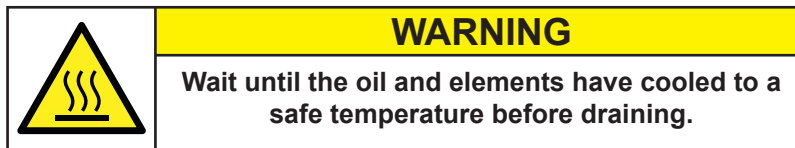
Corrosion Protection

- Stainless steel exhibits good resistance to corrosion however, if not properly maintained stainless steel can rust and/or corrode
- Any sign of mild rust and/or corrosion should be thoroughly cleaned with warm soapy water and dried as soon as possible
- NEVER use abrasive pads or cleaners for cleaning
- All metal surfaces should be checked while cleaning for damage, scuffs or scrapes as these can lead to rust and further damage to the product
- Mild rust and/or corrosion can be treated with a commercial cleaning agent that contains citric/oxalic/nitric/phosphoric acid.
DO NOT use cleaning agents with chlorides or other harsh chemicals as this can cause corrosion.
After treatment, wash with warm (not hot) soapy water and dry thoroughly
- Thoroughly wipe the surfaces dry after cleaning. **DO NOT** let water pool on the unit. Check crevices and folds for pooling and dry thoroughly
- When using, ensure all liquids and moisture is cleaned up straight away.
Food liquids such as juices from vegetables and fruits should not be left on preparation surfaces
- **DO NOT** leave items on the stainless steel such as cutting boards, rubber mats and bottles

Surface Finish

- To protect the polished surface of the stainless steel, it should be dried using a clean dry soft cloth. A light oil can be applied to enhance the stainless steel surface, using a clean cloth apply the oil in the same direction as grained polished finish
- Some commercial stainless steel cleaners can leave residue or film on the metal; this may trap fine particles of food on the surface, thus deeming the surfaces not food safe

	IMPORTANT Threaded fasteners can loosen in service. Regular inspection and adjustment should be carried out as required		WARNING This unit is NOT waterproof, do NOT hose. DO NOT pour water directly onto the unit. DO NOT immerse in water
	IMPORTANT Some commercial stainless steel cleaners leave residue or film on the metal that may entrap fine particles of food, deeming the surface not FOOD SAFE		WARNING Wait until the unit has cooled to a safe temperature before undertaking any cleaning or maintenance. Contact with hot surfaces can cause burns and serious injury



Cleaning Schedule

- Daily cleaning is required for the Fryer and external surfaces. This will help to maintain and prolong the efficiency of your unit
- The unit should be cleaned at the end of each work day

Materials Required

- Non Abrasive Cleaning pad
- Clean Sanitised Cloth
- Paper Towel
- Warm water
- Appropriate PPE (Personal Protective Equipment)

Cleaning Procedure - W.FAS80

1. Wait until the oil and elements have cooled to a safe temperature;
2. Raise the heating element
3. Remove the fryer pot and empty the oil
4. Clean the fryer pot with warm soapy water and a clean cloth, Using a clean sanitised cloth, thoroughly dry the stainless steel fryer pot
5. Carefully clean the heating elements and external surfaces using a cloth dampened (not wet) with clean warm water until all soil has been removed
6. Using a clean sanitised cloth, thoroughly wipe the stainless steel and metal parts dry. Do NOT let water pool on the unit. Check crevices and folds

Cleaning Procedure - W.FRSA110

1. Wait until the oil and elements have cooled to a safe temperature;
2. Drain the oil from the tank using the tap located on the front of the unit
3. Raise the heating element
4. Carefully clean the tank, heating elements and external surfaces using a cloth dampened (not wet) with clean warm water until all soil has been removed
5. Using a clean sanitised cloth, thoroughly wipe the stainless steel and metal parts dry. Do NOT let water pool on the unit. Check crevices and folds

Note: In some areas, particularly seaside environments, stainless steel can be subject to surface discolouration or “tea staining” This can be removed with an appropriate cleaning agent which contains 10% sodium citrate. Ask your supplier of cleaning chemicals for a suitable brand.

Troubleshooting

- If any faults/issues occur with the unit, follow the below troubleshooting procedures
- If the troubleshooting procedures do not correct the problem, contact the Stoddart Service Department



WARNING

Technician tasks are only to be completed by qualified service people. Check faults before calling service technician.

Task Type - (O) = Operator
(T) = Technician Task

Problem	Possible Causes	Task	Possible Corrective Action
Unit not heating	Unit not turned “on” at the power socket	O	Turn power to “on” at the power socket on the wall
	“On/Off” switch on power socket	O	Switch on power “on/off switch” on the control panel
	Thermal Cut out tripped	O	Wait for unit to cool, press switch located on the back of the unit. Repeated tripping indicates a potential failure of parts. In this event, please contact the Stoddart service department.
Oil too Cold	Temperature requires adjusting	O	Adjust Thermostat
Oil too Hot	Temperature requires adjusting	O	Adjust Thermostat
Oil not Hot	Element failure	T	Test & replace the element if necessary
Start button won’t lower fryer basket	Digital controller set to “Manual Mode”	O	Press “SET” to lower/Raise fryer basket. Enter settings and switch to Automatic Mode.

Display Messages

Display	Description
Run	Briefly displays when the timer is initiated
End	Briefly displays on the screen when the timer is stopped or at the end of time cycle
Off	Standby Mode
On or Off	Displayed during manual control
Er	Memory Error

Due to continuous product research and development, the information contained herein is subject to change without notice.

Australia

Service / Spare Parts

Tel: 1300 307 289

Email: service@stoddart.com.au

Email: spares@stoddart.com.au



Service Request

www.stoddart.com.au

Australian Business Number: 16009690251

Sales

Tel: 1300 79 1954

Email: sales@stoddart.com.au

New Zealand

Service / Spare Parts

Tel: 0800 935 714

Email: service@stoddart.co.nz

Email: spares@stoddart.co.nz



Service Request

www.stoddart.co.nz

New Zealand Business Number: 6837694

Sales

Tel: 0800 79 1954

Email: sales@stoddart.co.nz

International

Service / Spare Parts

Tel: +617 3440 7600

Email: service@stoddart.com.au

Email: spares@stoddart.com.au



Service Request

www.stoddart.com.au

Sales

Tel: +617 3440 7600

Email: sales@stoddart.com.au