

PROGRAMMING MANUAL

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US



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Wascomat provides efficient washers, dryers, flatwork ironers and wetcleaning systems in a size and model for every laundry and wetcleaning need!



Wascomat Laundry Equipment

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FOR PARTS, SERVICE AND TECHNICAL ASSISTANCE CALL YOUR LOCAL WASCOMAT DEALER

WASCOMAT CUSTOMER SUPPORT

Whether you need spare parts or technical advice to guide you to the source of a malfunction, our nationwide network of authorized dealers are able and ready to serve your needs, or call the Wascomat Customer Service Hotlines listed below.

SPARE PARTS

516-371-2000

Before ordering parts, refer to the Wascomat spare parts manual (also available on www.wascomat.com) to determine the part number(s) for the item(s) you need.

For quick service, please have the following information available:

1. Part Number of the item(s) you need.
2. Model of the machine.
3. Serial number of the machine.
4. Electrical data for the machine:
 - 120 or 208-240 Volt?
 - Single or three phase?
 - 50 or 60 Cycle?

To insure parts order accuracy, only fax or email parts orders are accepted:

- Fax: 516-371-4029
- email: parts@wascomat.com

TECHNICAL SUPPORT

516-371-0700

For service information, first contact your local authorized Wascomat dealer.

Wascomat technical support can assist you or your technician to diagnose and repair your laundry machines over the phone. Please call from the location where the machines are installed (we suggest you use a cellular or cordless phone), and have the following information available:

1. Model of the machine.
2. Serial number of the machine.
3. Electrical data for the machine:
 - 120 or 208-240 Volt?
 - Single or three phase?
 - 50 or 60 Cycle?
4. An accurate description of the malfunction.

To expedite parts order shipment, please use your credit card.
We accept: American Express, Mastercard, Visa, Discover, Diner's Club.

WARRANTY CLAIMS

Wascomat's Technical Support staff will honor valid manufacturer's parts warranty claims providing your Wascomat machines are registered for warranty coverage upon installation. If they are not registered, you can validate your warranty claim by providing information about when and where you purchased the Wascomat machine(s), the model and serial number(s). Additional warranty proof may also be required.

461 Doughty Blvd., Inwood, N.Y. 11096-0338 | Sales and Administration – Tel: 516-371-4400 • Fax: 516-371-4204 • e-mail: sales@wascomat.com
Spare Parts – Tel: 516-371-2000 • Fax: 516-371-4029 • e-mail: parts@wascomat.com | Technical Support – Tel: 516-371-0700 • Fax: 516-371-4029

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WARNING!

FAILURE OF THE DRYER'S HEATING SYSTEM TO FUNCTION PROPERLY IS A TYPICAL SYMPTOM OF IMPROPER INSTALLATION!

DO NOT ATTEMPT TO CORRECT OPERATING PROBLEMS BY CHANGING PROGRAMMABLE PARAMETERS SUCH AS FACTORY-SET TEMPERATURES! REFER OPERATING PROBLEMS TO QUALIFIED SERVICE PERSONNEL.

Factory settings

The factory set value for "Time per coin" is eight (8) minutes.

The factory set values for High (160°F), Medium (140°F) and Low (120°F) temperature have been carefully selected to provide superior dryer performance and energy efficiency.

We strongly suggest that you leave the factory-set temperature values unchanged.

The manufacturer reserves the right to modify design and material specifications without notice.

General

At the factory, the dryer has been set to specific values for:
Time, temperature, cooling, reversing, etc.

To change the preset parameters switch the electronic control to the programming mode.

The display will then read **0-.-** and the four keys can now be used to change the parameters.

Adjustable parameters:

- 0 01** High temperature
- 0 02** Medium temperature
- 0 03** Low temperature
- 0 04** No heat (option)
- 0 05** Discount (coin only)
- 0 06** Time per push or coin
- 0 07** Time per coin 2

Readable parameters:

The following parameters can only be read - they are not adjustable.

However, 1 02 can be reset to zero

- 1 01** Hour counter - permanent
- 1 02** Hour counter - resettable
- 1 03** Hours until next service
- 1 04** Total coins inserted, coin 1
- 1 05** Total coins inserted, coin 2

Switching to Programming mode

1. To gain access to the circuit board, open the keypad panel.
2. Move the switch on the top of the circuit board to the programming mode (the position illustrated by the arrow in Fig. 1).

When switched to programming mode, the display shows: **0 - -**. This indicates group 0.

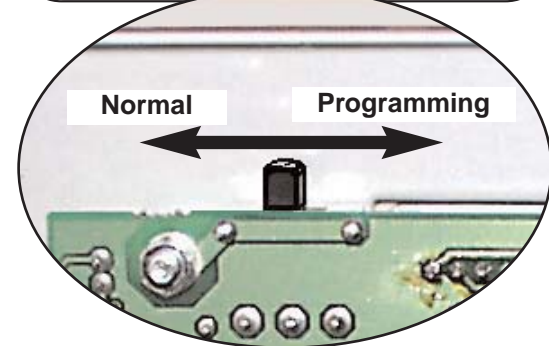
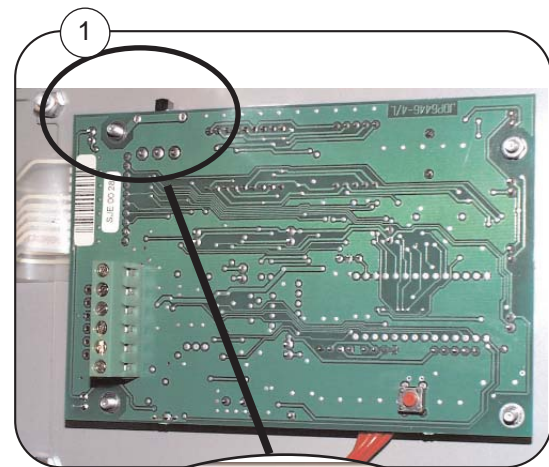
The four keys "Up", "Down", "Return" and "Enter" can now be used to change the parameters.

3. Program the dryer as described on the following pages.
4. When the programming has been completed, move the switch back to the normal operating position.
5. Assemble and test the dryer.

Note! If you make a mistake or get confused while programming the dryer, move the switch back to normal operating mode and start again.

During the programming process, the Start key is used to save new settings.

If you leave programming mode before pressing Start to save a new setting, the original value will be retained.



Caution!

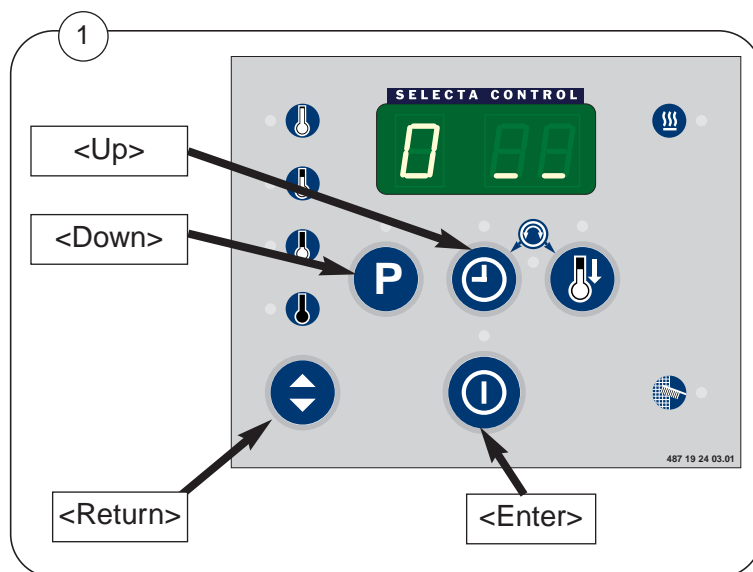
Static sensitive components!

Do not touch the circuit board.

Operating panel in programming mode

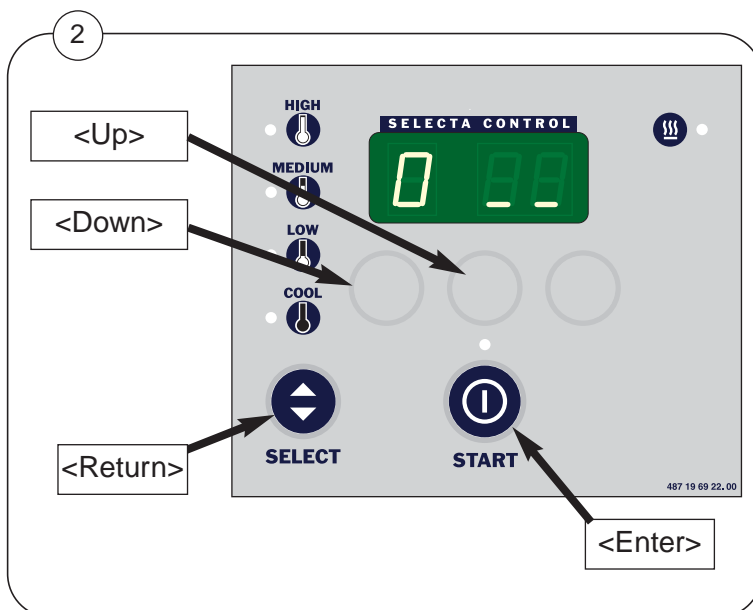
OPL

Tumble dryer with manual operation fig. 1.

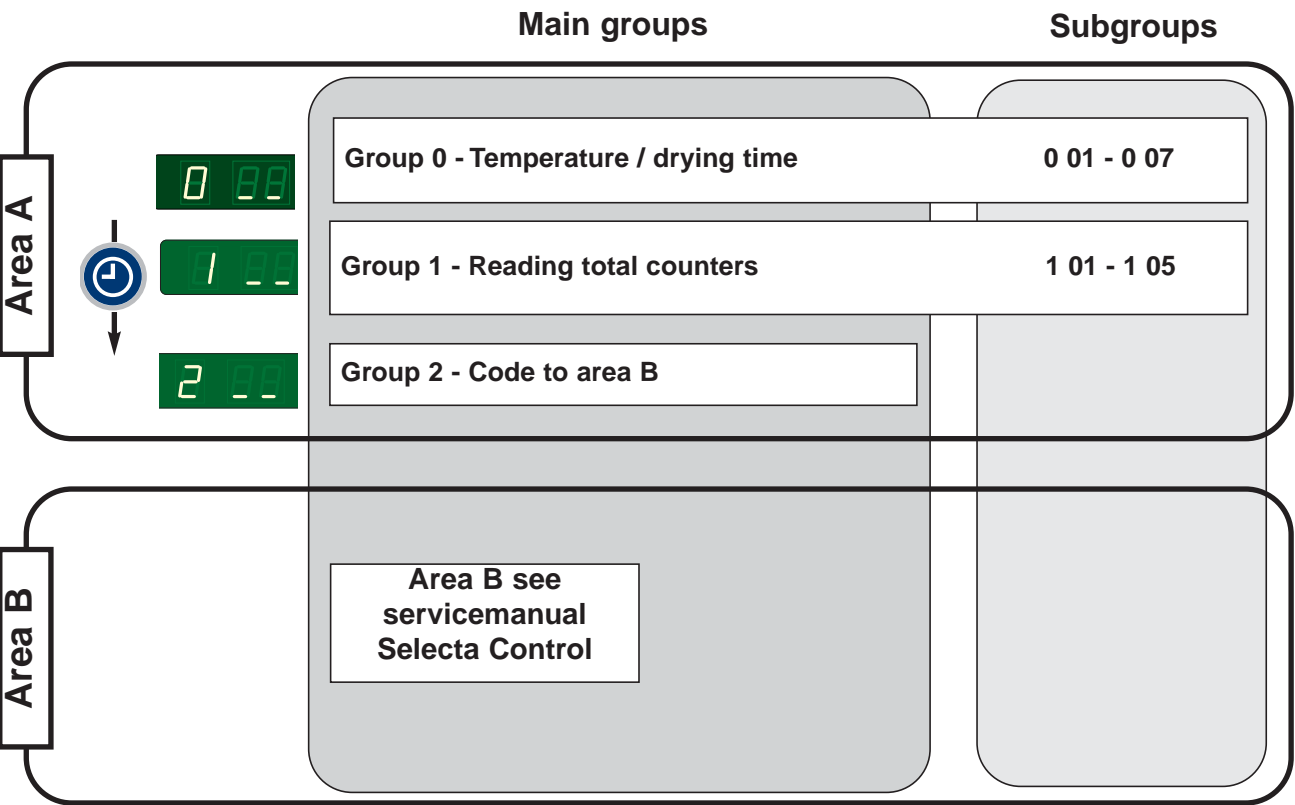


Coin drop or card reader

Tumble dryer with coin drop or card reader fig. 2.



Quick-diagram

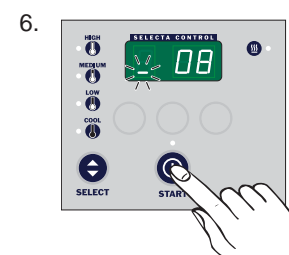
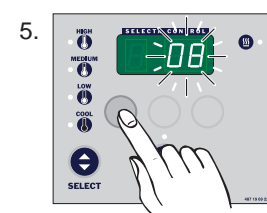
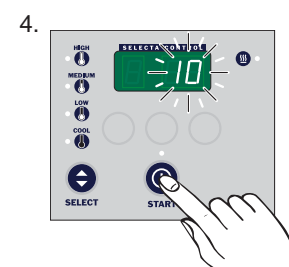
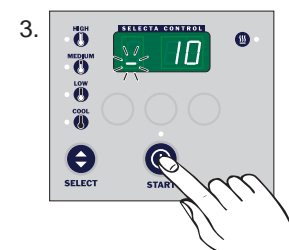
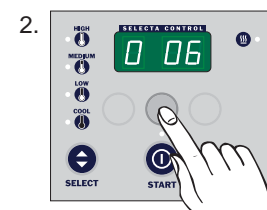
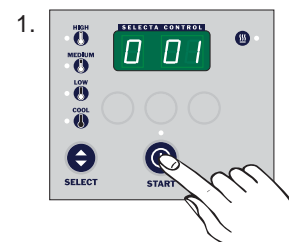


Changing of parameters in Group 0

Adjusting drying time

1. Press the Start "enter" key.
The display shows "0 01", indicating Group 0, parameter location 01 = High temperature parameter storage location.
2. Press the center "count up" key to reach parameter location "0 06". This is the parameter location for the "Time per coin or push" value. The value in this location is the number of drying minutes that will be added when a coin is deposited (coin machines) or the clock button is pushed (OPL machines).
Note: The "clock" key is only on non-coin operated (OPL) machines.
3. Press the Start "enter" key to enter this location and view its contents.
Note: The flashing bar at the bottom of the left digit indicates that this is a two-digit parameter (0 to 99 minutes).
4. Press the Start "enter" key again to select this value for editing. The current value "10" will begin to flash.
5. Press the left "count down" key to lower the value or the center "count up" key to increase it. Here the value has been reduced to 8 minutes per coin.
6. Press the Start "enter" key to save the new value.

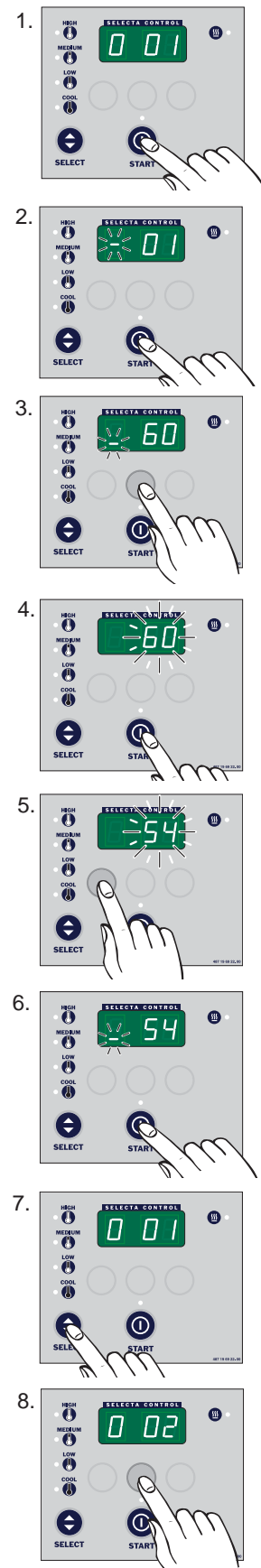
7. Go to step 4 page 6.



Changing of parameters in Group 0

Adjusting operating temperatures

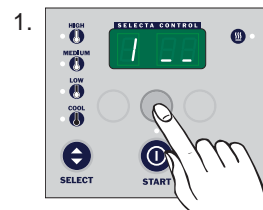
1. Press the Start “enter” key.
The display shows “0 01”, indicating Group 0, parameter location 01 = High temperature parameter storage location.
2. Press the Start “enter” key again to enter this parameter location. The display shows “- 01”.
Note: The flashing bar in the center of the left digit indicates that this is a two-digit parameter
3. Press the center “count up” or left “count down” blank key. The display now shows “_ 60”. The flashing bar at the bottom of the left digit now indicates that these are the last two digits of the High temperature value. The High Temperature, in this case, was factory set to “01” “60” (160°F).
4. Press the Start “enter” key to edit this parameter value. The “60” will begin to flash.
5. Press the left “count down” to lower the value, or the center “count up” key to increase it.
Note: The count up and count down keys may be pressed and held to make more rapid (larger) value changes.
6. Press the Start “enter” key to save the new value.
In this example, the High temperature has been changed to 154°F. The value is saved when the parameter stops flashing and the flashing “_” re-appears in the left digit.
7. Press the Select “return” key to leave this parameter.
8. To adjust the Medium or Low temperature, press the center “count up” key to go to the proper parameter location.
Location “0 02” is the Medium drying temperature, factory set to “01” “40” (140°F), and location “0 03” is the Low drying temperature, factory set to “01” “20” (120°F). Press the left “count down” key to go back if you pass the desired location. Press the Start “enter” key to enter and edit the Medium or Low temperature, as described in steps 4-6.
9. Go to step 4 page 6



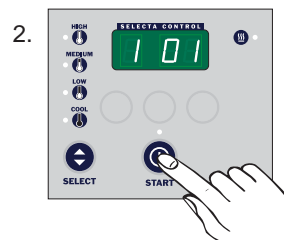
Reading the hour counter in Group 1

Example

1. Press the center “count up” key.
The display now shows “1 _ _” indicating memory level one (Counter).

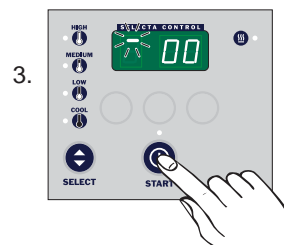


2. Press the Start “enter” key.
The display now shows “1 01” indicating memory level one, parameter location one (Total hour counter).

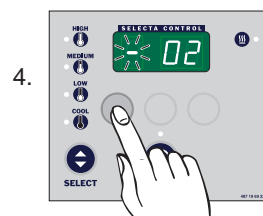


3. Press the Start “enter” key again to enter this parameter location. The display shows “ - 00”.

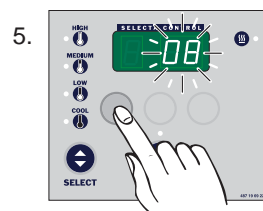
Note: The flashing bar in the top of the left digit indicates that these are the first two digits of a six-digit parameter value (**00** xx xx hours).



4. Press the left “count down” key.
The display now shows “- 02”. The flashing bar at the middle of the left digit now indicates that these are the two middle digits of the six-digits hour counter (00 **02** xx hours)

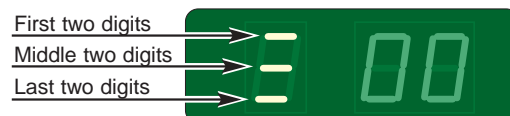


5. Press the left “count down” key again.
The display now shows “_ 08”. The flashing bar at the bottom of the left digit now indicates that these are the last two digits of the six-digits hour counter (00 02 **08** hours)



Result In this example the total hour counter shows that the dryer has operated for 208 hours.

6. Go to step 4 page 6.



Parameter overview - Area A

Group 0 - Setting temperatures and drying time

Parameter	Designation	Range	Step	Factory setting	Comments
Coin only					
0 01	High temperature	86 - 160°F	1°F	151	Air outlet temperature High
0 02	Medium temperature	86 - 160°F	1°F	140	Air outlet temperature Medium
0 03	Low temperature	86 - 160°F	1°F	120	Air outlet temperature Low
0 04	No heat temperature	-	-	-	
0 05	Discount	0 - 99 %	1 %	50	Only on coin operated dryers
0 06	Time per push or coin 1	1 – 90 mins.	1 min.	8	Time interval
0 07	Time per coin 2	1 – 90 mins.	1 min.	20	Time interval
OPL only					
0 01	High temperature	86 - 176°F	1°F	176	Air outlet temperature High
0 02	Medium temperature	86 - 176°F	1°F	160	Air outlet temperature Medium
0 03	Low temperature	86 - 176°F	1°F	120	Air outlet temperature Low
0 04	No heat temperature	-	-	-	
0 05	Discount	0 - 99 %	1 %	50	Only on coin operated dryers
0 06	Time per push or coin 1	1 – 90 mins.	1 min.	8	Time interval
0 07	Time per coin 2	1 – 90 mins.	1 min.	20	Time interval

The outlet temperature in parameters
0 01 - 0 03 must have a max. setting of 160°F

To move from group 0 to group 1 press <Return> till **0 _ _** and then press <Up> until **1 _ _**

Group 1 - Reading total counters

Parameter	Designation	Range	Step	Factory setting	Comments
1 01	*Hour counter	0 – 999999 hrs.	-		Permanent total hour counter
1 02	Hour counter	0 – 999999 hrs.	-		Resettable trip hour counter
1 03	*Service hour counter	0 – 999999 hrs.	-		Hours before next service
1 04	*Coin counter 1	0 – 999999 coins	-		Total no. of coins inserted (coin type1)
1 05	*Coin counter 2	0 – 999999 coins	-		Total no. of coins inserted (coin type 2)

* Readable only

Error codes

The dryer is equipped with an automatic diagnostic system.

Operating problems are displayed as blinking error codes

E 03 The inlet sensor has short circuited

E 04 The outlet sensor has short circuited

E 05 Motor 1 – overheating fuse

E 06 Motor 2 – overheating fuse

E 07 Option

E 08 Overheating – in or outlet air

E 09 Filter drawer not emptied before start, dryer T3190 only

E 10 Programming missing / incorrect

E 11 Drying error with RMC. The RMC program was not finished within 90 min.

E 12 Drying error with Autostop. The Autostop program was not finished within 90 min.

E 14 Gas error. See next page.

E 15 Vacuum switch: Does not close within 5 seconds. Reset: Press <Start> key

E 16 Vacuum switch: Does not open

E 17 Inlet sensor disconnected

E 99 Communication error between the two circuit boards



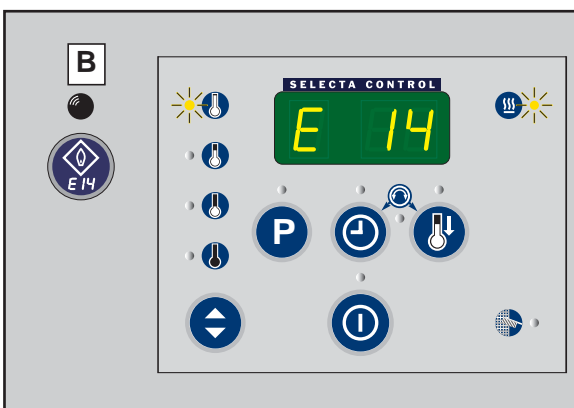
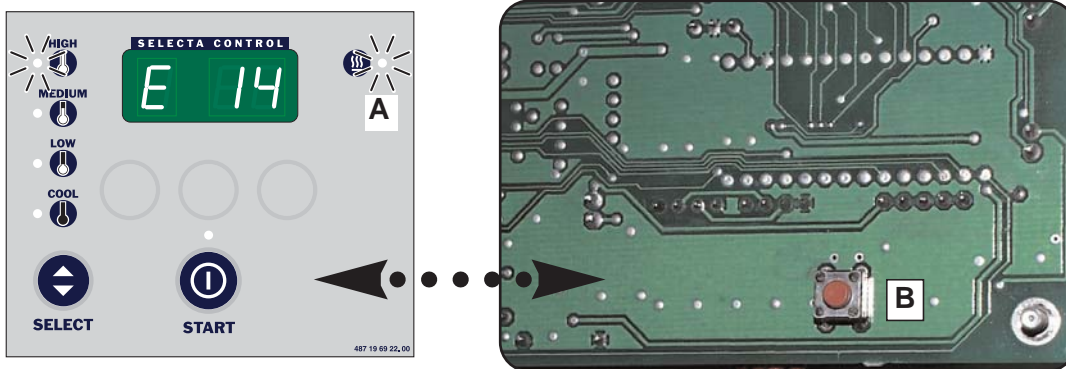
Reset gas error E 14

When resetting gas error E 14 the dryer must be in operation on a program with heat, and the heat indicator **A** must be on.

The gas reset button **B** is either on the back of operating panel or next to the operating panel.

The dryer must only be reset three times.

If the dryer, however, has to be reset more than three times it has to be put out of order and a service technician must be called.



When reliable laundry and wetcleaning equipment is desired, the choice is Wascomat!

The world's oldest and leading manufacturer of commercial laundry equipment for coin laundries, hotels, motels, nursing homes and any other institutional laundry use, and the environmentally safe, wetcleaning “dual-use” systems for drycleaners.

WASCOMAT PROVIDES “PEACE OF MIND GUARANTEE”

Backed by a company that's been in the laundry equipment business for over 100 years and has earned a reputation as the standard of quality worldwide, Wascomat dealers provide:

- Free survey of your laundry needs
- Laundry design and layout
- Quality laundry equipment in a size and model for every need
- Installation, start-up and training
- Worldwide parts and service
- Best warranty in the business
- **“Lease-a-Laundry Program”**, which includes the laundry equipment installation and ongoing service

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Wascomat provides efficient, quality washers, dryers, flatwork ironers and non-polluting wetcleaning equipment.

FRONT-LOAD WASHER MODELS

Solid and soft-mount, coin operated and commercial laundry washers in standard, high and ultra-high extract models. Designed for long life and efficient water and energy use. Available from 18 to 250 lb. capacities.

SIDE-LOAD WASHER MODELS

Pullman, Side-Load, Barrier and Clean Room washer models with high 300 to 350 G-Force extraction, designed and built for long, trouble-free life and big water and energy savings. Available from 55 to 250 lb. capacities.

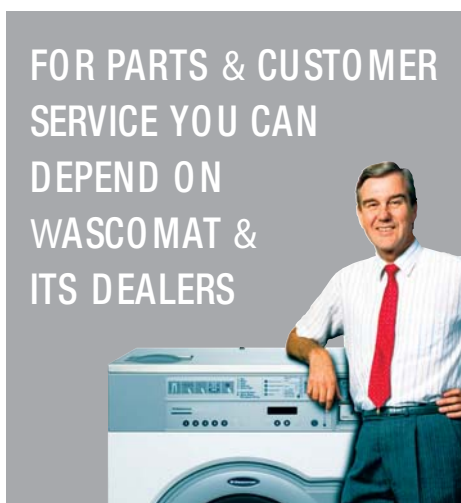
GAS EFFICIENT DRYER MODELS

Coin operated and commercial energy and gas efficient, user friendly TD dryer models with optional unique Wascomat Residual Moisture Control (RMC). Available in a size and model for every laundry need.

AUTOMATIC FLATWORK IRONERS

A unique one-operator fully automatic, labor saving, ironer that does it all: feeds, irons, folds, stacks and counts. Also available in fully and semi-automatic models in a size and model for every laundry need.

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DEPEND ON
WASCOMAT &
ITS DEALERS



WASCOMAT NON-POLLUTING WETCLEAN EQUIPMENT

The best alternative to Perc, uses water and complies with OSHA, EPA and all other environmental, anti-pollution regulations. Wascomat state-of-the-art wetclean technology eliminates all pollution concerns and provides the best wetcleaning and washing results. Available in a size and model for every wetcleaning need.

With the push of a button, the unique Wascomat "Dual-Use" Wetcleaner converts to an ideal laundry washer for washing shirts, comforters, drapes, all other washable garments and cleaner's wash-dry-fold customer service.



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