Tumble Dryer

Dual Digital Control

Refer to Page 8 for Model Numbers

Programming

Original Instructions
Keep These Instructions for Future Reference.
CAUTION: Read the instructions before using the machine.
(If this machine changes ownership, this manual must accompany machine.)

Alliance Laundry Systems

www.alliancelaundry.com

Part No. 70579901EN
January 2018

Installation must conform with local codes or, in the absence of local codes, with:

In the U.S.A., installation must conform to the latest edition of the American National Standard Z223.1/ NFPA 54 “National Fuel Gas Code” and Standard ANSI/NFPA 70 “National Electric Code.”

In Canada, installation must comply with Standards CAN/CSA-B149.1 or Natural Gas and Propane Installation Code and CSA C22.1, latest edition, Canadian Electric Code, Part I.

In Australia and New Zealand, installation must comply with the Gas Installations Standard AS/NZS 5601 Part 1: General Installations.

WARNING

FOR YOUR SAFETY, the information in this manual must be followed to minimize the risk of fire or explosion or to prevent property damage, personal injury or death.

W033

WARNING

- **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**
- **WHAT TO DO IF YOU SMELL GAS:**
  - **Do not try to light any appliance.**
  - **Do not touch any electrical switch; do not use any phone in your building.**
  - **Clear the room, building or area of all occupants.**
  - **Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.**
  - **If you cannot reach your gas supplier, call the fire department.**
- **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

W052

IMPORTANT: Information must be obtained from a local gas supplier on instructions to be followed if the user smells gas. These instructions must be posted in a prominent location. Step-by-step instructions of the above safety information must be posted in a prominent location near the tumble dryer for customer use.

IMPORTANT: The installer must fully test the tumble dryer after installation and demonstrate to the owner how to operate the machine.

WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- **Disconnect electric power to the tumble dryer before servicing.**
- **Close gas shut-off valve to gas tumble dryer before servicing.**
- **Close steam valve to steam tumble dryer before servicing.**
- **Never start the tumble dryer with any guards/ panels removed.**
- **Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the tumble dryer is properly grounded.**

W002R1

WARNING

- **Installation of unit must be performed by a qualified installer.**
- **Install tumble dryer according to manufacturer’s instructions and local codes.**
- **DO NOT install a tumble dryer with flexible plastic venting materials. If flexible metal (foil type) duct is installed, it must be of a specific type identified by the appliance manufacturer as suitable for use with tumble dryer. Refer to section on connecting exhaust system. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct tumble dryer airflow and increase the risk of fire.**

W752R1

The following information applies to the state of Massachusetts, USA.

- This appliance can only be installed by a Massachusetts licensed plumber or gas fitter.
- This appliance must be installed with a 36 inch [91 cm] long flexible gas connector.
- A “T-Handle” type gas shut-off valve must be installed in the gas supply line to this appliance.
- This appliance must not be installed in a bedroom or bathroom.

Table of Contents

Introduction

Model Identification

Information in this manual is applicable to these models. **Refer to the machine serial plate for the model number.**

25 Series (11 Kg)							
BA025E	BU025L	HA025S	HU025F	NG025S	PK025N	SJ025F	UG025R
BA025F	BU025N	HG025D	HU025L	NH025E	PT025E	SJ025L	UG025S
BA025L	BU025R	HG025E	HU025N	NH025L	PT025L	SJ025N	UH025E
BA025N	BU025S	HG025F	HU025R	NH025N	PT025N	SJ025R	UH025F
BA025R	GA025E	HG025L	HU025S	NH025S	PT025S	SJ025S	UH025L
BA025S	GA025L	HG025N	KT025E	NJ0205E	PU025E	SK025N	UH025N
BG025D	GA025N	HG025R	KT025L	NJ025L	PU025L	SK025R	UH025R
BG025E	GA025S	HG025S	KT025N	NJ025N	PU025N	ST025E	UH025S
BG025F	GG025E	HH025E	KT025S	NJ025S	PU025S	ST025F	UJ025D
BG025L	GG025L	HH025F	MG025D	NK025N	SA025E	ST025L	UJ025E
BG025N	GG025N	HH025L	MG025E	NU025E	SA025F	ST025N	UJ025F
BG025R	GG025S	HH025N	MG025F	NU025L	SA025L	ST025R	UJ025L
BG025S	GH025E	HH025R	MG025L	NU025N	SA025N	ST025S	UJ025N
BH025E	GH025L	HH025S	MG025N	NU025S	SA025R	SU025E	UJ025R
BH025F	GH025N	HJ025D	MG025R	PA025E	SA025S	SU025F	UJ025S
BH025L	GH025S	HJ025E	MG025S	PA025L	SG025D	SU025L	UK025N
BH025N	GJ025E	HJ025F	MJ025D	PA025N	SG025E	SU025N	UK025R
BH025R	GJ025L	HJ025L	MJ025E	PA025S	SG025F	SU025R	UT025E
BH025S	GJ025N	HJ025N	MJ025F	PG025E	SG025L	SU025S	UT025F
BJ025D	GJ025S	HJ025R	MJ025L	PG025L	SG025N	UA025E	UT025L
BJ025E	GK025N	HJ025S	MJ025N	PG025N	SG025R	UA025F	UT025N
BJ025F	GU025E	HK025N	MJ025R	PG025S	SG025S	UA025L	UT025R
BJ025L	GU025L	HK025R	MJ025S	PH025E	SH025E	UA025N	UT025S
BJ025N	GU025N	HT025E	NA025E	PH025L	SH025F	UA025R	UU025E
BJ025R	GU025S	HT025F	NA025L	PH025N	SH025L	UA025S	UU025F
BJ025S	HA025E	HT025L	NA025N	PH025S	SH025N	UG025D	UU025L
BK025N	HA025F	HT025N	NA025S	PJ025E	SH025R	UG025E	UU025N
BK025R	HA025L	HT025R	NG025E	PJ025L	SH025S	UG025F	UU025R
BU025E	HA025N	HT025S	NG025L	PJ025N	SJ025D	UG025L	UU025S
BU025F	HA025R	HU025E	NG025N	PJ025S	SJ025E	UG025N	

30 Series (13 Kg)							
BA030E	BU030L	HA030S	HU030F	NG030S	PK030N	SJ030F	UG030R
BA030F	BU030N	HG030D	HU030L	NH030E	PT030E	SJ030L	UG030S
BA030L	BU030R	HG030E	HU030N	NH030L	PT030L	SJ030N	UH030E
BA030N	BU030S	HG030F	HU030R	NH030N	PT030N	SJ030R	UH030F
BA030R	GA030E	HG030L	HU030S	NH030S	PT030S	SJ030S	UH030L
BA030S	GA030L	HG030N	KT030E	NJ030E	PU030E	SK030N	UH030N
BG030D	GA030N	HG030R	KT030L	NJ030L	PU030L	SK030R	UH030R
BG030E	GA030S	HG030S	KT030N	NJ030N	PU030N	ST030E	UH030S
BG030F	GG030E	HH030E	KT030S	NJ030S	PU030S	ST030F	UJ030D
BG030L	GG030L	HH030F	MG030D	NK030N	SA030E	ST030L	UJ030E
BG030N	GG030N	HH030L	MG030E	NU030E	SA030F	ST030N	UJ030F
BG030R	GG030S	HH030N	MG030F	NU030L	SA030L	ST030R	UJ030L
BG030S	GH030E	HH030R	MG030L	NU030N	SA030N	ST030S	UJ030N
BH030E	GH030L	HH030S	MG030N	NU030S	SA030R	SU030E	UJ030R
BH030F	GH030N	HJ030D	MG030R	PA030E	SA030S	SU030F	UJ030S
BH030L	GH030S	HJ030E	MG030S	PA030L	SG030D	SU030L	UK030N
BH030N	GJ030E	HJ030F	MJ030D	PA030N	SG030E	SU030N	UK030R
BH030R	GJ030L	HJ030L	MJ030E	PA030S	SG030F	SU030R	UT030E
BH030S	GJ030N	HJ030N	MJ030F	PG030E	SG030L	SU030S	UT030F
BJ030D	GJ030S	HJ030R	MJ030L	PG030L	SG030N	UA030E	UT030L
BJ030E	GK030N	HJ030S	MJ030N	PG030N	SG030R	UA030F	UT030N
BJ030F	GU030E	HK030N	MJ030R	PG030S	SG030S	UA030L	UT030R
BJ030L	GU030L	HK030R	MJ030S	PH030E	SH030E	UA030N	UT030S
BJ030N	GU030N	HT030E	NA030E	PH030L	SH030F	UA030R	UU030E
BJ030R	GU030S	HT030F	NA030L	PH030N	SH030L	UA030S	UU030F
BJ030S	HA030E	HT030L	NA030N	PH030S	SH030N	UG030D	UU030L
BK030N	HA030F	HT030N	NA030S	PJ030E	SH030R	UG030E	UU030N
BK030R	HA030L	HT030R	NG030E	PJ030L	SH030S	UG030F	UU030R
BU030E	HA030N	HT030S	NG030L	PJ030N	SJ030D	UG030L	UU030S
BU030F	HA030R	HU030E	NG030N	PJ030S	SJ030E	UG030N	

T30 Series (13/13 Kg)							
BAT30E	BUT30L	HAT30S	HUT30F	NGT30S	PKT30N	SJT30F	UGT30R
BAT30F	BUT30N	HGT30D	HUT30L	NHT30E	PTT30E	SJT30L	UGT30S
BAT30L	BUT30R	HGT30E	HUT30N	NHT30L	PTT30L	SJT30N	UHT30E
BAT30N	BUT30S	HGT30F	HUT30R	NHT30N	PTT30N	SJT30R	UHT30F
BAT30R	GAT30E	HGT30L	HUT30S	NHT30S	PTT30S	SJT30S	UHT30L
BAT30S	GAT30L	HGT30N	KTT30E	NJT30E	PUT30E	SKT30N	UHT30N
BGT30D	GAT30N	HGT30R	KTT30L	NJT30L	PUT30L	SKT30R	UHT30R
BGT30E	GAT30S	HGT30S	KTT30N	NJT30N	PUT30N	STT30E	UHT30R
BGT30F	GGT30E	HHT30E	KTT30S	NJT30S	PUT30S	STT30F	UJT30D
BGT30L	GGT30L	HHT30F	MGT30D	NKT30N	SAT30E	STT30L	UJT30E
BGT30N	GGT30N	HHT30L	MGT30E	NUT30E	SAT30F	STT30N	UJT30F
BGT30R	GGT30S	HHT30N	MGT30F	NUT30L	SAT30L	STT30R	UJT30L
BGT30S	GHT30E	HHT30R	MGT30L	NUT30N	SAT30N	STT30S	UJT30N
BHT30E	GHT30L	HHT30S	MGT30N	NUT30S	SAT30R	SUT30E	UJT30R
BHT30F	GHT30N	HJT30D	MGT30R	PAT30E	SAT30S	SUT30F	UJT30S
BHT30L	GHT30S	HJT30E	MGT30S	PAT30L	SGT30D	SUT30L	UKT30N
BHT30N	GJT30E	HJT30F	MJT30D	PAT30N	SGT30E	SUT30N	UKT30R
BHT30R	GJT30L	HJT30L	MJT30E	PAT30S	SGT30F	SUT30R	UTT30E
BHT30S	GJT30N	HJT30N	MJT30F	PGT30E	SGT30L	SUT30S	UTT30F
BJT30D	GJT30S	HJT30R	MJT30L	PGT30L	SGT30N	UAT30E	UTT30L
BJT30E	GKT30N	HJT30S	MJT30N	PGT30N	SGT30R	UAT30F	UTT30N
BJT30F	GUT30E	HKT30N	MJT30R	PGT30S	SGT30S	UAT30L	UTT30R
BJT30L	GUT30L	HKT30R	MJT30S	PHT30E	SHT30E	UAT30N	UTT30S
BJT30N	GUT30N	HTT30E	NAT30E	PHT30L	SHT30F	UAT30R	UUT30E
BJT30R	GUT30S	HTT30F	NAT30L	PHT30N	SHT30L	UAT30S	UUT30F
BJT30S	HAT30E	HTT30L	NAT30N	PHT30S	SHT30N	UGT30D	UUT30L
BKT30N	HAT30F	HTT30N	NAT30S	PJT30E	SHT30R	UGT30E	UUT30N
BKT30R	HAT30L	HTT30R	NGT30E	PJT30L	SHT30S	UGT30F	UUT30R
BUT30E	HAT30N	HTT30S	NGT30L	PJT30N	SJT30D	UGT30L	UUT30S
BUT30F	HAT30R	HUT30E	NGT30N	PJT30S	SJT30E	UGT30N	

35 Series (16 Kg)							
BA035E	BU035N	HA035S	HU035L	NG035S	PJ035N	SJ035D	UG035M
BA035F	BU035R	HG035D	HU035M	NH035E	PJ035S	SJ035E	UG035N
BA035L	BU035S	HG035E	HU035N	NH035L	PK035N	SJ035F	UG035R
BA035M	GA035E	HG035F	HU035R	NH035M	PT035E	SJ035L	UG035S
BA035N	GA035L	HG035L	HU035S	NH035N	PT035L	SJ035M	UH035E
BA035R	GA035M	HG035M	KT035E	NH035S	PT035M	SJ035N	UH035F
BA035S	GA035N	HG035N	KT035L	NJ035E	PT035N	SJ035S	UH035L
BG035D	GA035S	HG035R	KT035M	NJ035L	PT035S	SK035N	UH035M
BG035E	GG035E	HG035S	KT035N	NJ035M	PU035E	SK035R	UH035N
BG035F	GG035L	HH035E	KT035S	NJ035N	PU035L	ST035E	UH035R
BG035L	GG035M	HH035F	MG035D	NJ035S	PU035M	ST035F	UH035S
BG035M	GG035N	HH035L	MG035E	NK035N	PU035N	ST035L	UJ035D
BG035N	GG035S	HH035M	MG035F	NU035E	PU035S	ST035M	UJ035E
BG035R	GH035E	HH035N	MG035L	NU035L	SA035E	ST035N	UJ035F
BG035S	GH035L	HH035R	MG035M	NU035M	SA035F	ST035R	UJ035L
BH035E	GH035M	HH035S	MG035N	NU035N	SA035L	ST035S	UJ035M
BH035F	GH035N	HJ035D	MG035R	NU035S	SA035M	SU035E	UJ035N
BH035L	GH035S	HJ035E	MG035S	PA035E	SA035N	SU035F	UJ035R
BH035M	GJ035E	HJ035F	MJ035D	PA035L	SA035R	SU035L	UJ035S
BH035N	GJ035L	HJ035L	MJ035E	PA035M	SA035S	SU035M	UK035N
BH035R	GJ035M	HJ035M	MJ035F	PA035N	SG035D	SU035N	UK035R
BH035S	GJ035N	HJ035N	MJ035L	PA035S	SG035E	SU035P	UT035E
BJ035D	GJ035S	HJ035R	MJ035M	PG035E	SG035F	SU035R	UT035F
BJ035E	GK035N	HJ035S	MJ035N	PG035L	SG035L	SU035S	UT035L
BJ035F	GU035E	HK035N	MJ035R	PG035M	SG035M	UA035E	UT035M
BJ035L	GU035L	HK035R	MJ035S	PG035N	SG035N	UA035F	UT035N
BJ035M	GU035M	HT035E	NA035E	PG035S	SG035R	UA035L	UT035R
BJ035N	GU035N	HT035F	NA035L	PH035E	SG035S	UA035M	UT035S
BJ035R	GU035S	HT035L	NA035M	PH035L	SH035E	UA035N	UU035E
BJ035S	HA035E	HT035M	NA035N	PH035M	SH035F	UA035R	UU035F
BK035N	HA035F	HT035N	NA035S	PH035N	SH035L	UA035S	UU035L
BK035R	HA035L	HT035R	NG035E	PH035S	SH035M	UG035D	UU035M

Table continues...

35 Series (16 Kg)							
BU035E	HA035M	HT035S	NG035L	PJ035E	SH035N	UG035E	UU035N
BU035F	HA035N	HU035E	NG035M	PJ035L	SH035R	UG035F	UU035R
BU035L	HA035R	HU035F	NG035N	PJ035M	SH035S	UG035L	UU035S
BU035M							

T45 Series (20/20 Kg) * Only available in gas							
BAT45L	BUT45N	HGT45L	HUT45N	NHT45L	PTT45L	SJT45N	UGT45R
BAT45N	BUT45R	HGT45N	HUT45R	NHT45N	PTT45N	SJT45R	UHT45L
BAT45R	GAT45L	HGT45R	KTT45L	NJT45L	PUT45L	SKT45N	UHT45N
BGT45D	GAT45N	HHT45L	KTT45N	NJT45N	PUT45N	SKT45R	UHT45R
BGT45L	GGT45L	HHT45N	MGT45D	NKT45N	SAT45L	STT45L	UJT45D
BGT45N	GGT45N	HHT45R	MGT45L	NUT45L	SAT45N	STT45N	UJT45L
BGT45R	GHT45L	HJT45D	MGT45N	NUT45N	SAT45R	STT45R	UJT45N
BHT45L	GHT45N	HJT45L	MGT45R	PAT45L	SGT45D	SUT45L	UJT45R
BHT45N	GJT45L	HJT45N	MJT45D	PAT45N	SGT45L	SUT45N	UKT45N
BHT45R	GJT45N	HJT45R	MJT45L	PGT45L	SGT45N	SUT45R	UKT45R
BJT45D	GKT45N	HKT45N	MJT45N	PGT45N	SGT45R	UAT45L	UTT45L
BJT45L	GUT45L	HKT45R	MJT45R	PHT45L	SHT45L	UAT45N	UTT45N
BJT45N	GUT45N	HTT45L	NAT45L	PHT45N	SHT45N	UAT45R	UTT45R
BJT45R	HAT45L	HTT45N	NAT45N	PJT45L	SHT45R	UGT45D	UUT45L
BKT45N	HAT45N	HTT45R	NGT45L	PJT45N	SJT45D	UGT45L	UUT45N
BKT45R	HAT45R	HUT45L	NGT45N	PKT45N	SJT45L	UGT45N	UUT45R
BUT45L	HGT45D						

50 Pound (25 Kg)							
BA050E	GA050E	HG050L	KT050L	NJ050N	PK050N	SH050S	UG050L
BA050L	GA050L	HG050N	KT050N	NJ050S	PR050E	SJ050D	UG050N
BA050N	GA050N	HG050S	KT050S	NK050N	PR050L	SJ050E	UG050S
BA050S	GA050S	HH050E	MG050D	NR050E	PR050N	SJ050L	UH050E
BG050D	GG050E	HH050L	MG050E	NR050L	PR050S	SJ050N	UH050L
BG050E	GG050L	HH050N	MG050L	NR050N	PT050C	SJ050S	UH050N
BG050L	GG050N	HH050S	MG050N	NR050S	PT050E	SK050N	UH050S
BG050N	GG050S	HJ050D	MG050S	NU050E	PT050L	SR050E	UJ050D
BG050S	GH050E	HJ050E	MJ050D	NU050L	PT050N	SR050L	UJ050E
BH050E	GH050L	HJ050L	MJ050E	NU050N	PT050S	SR050N	UJ050L
BH050L	GH050N	HJ050N	MJ050L	NU050S	PU050E	SR050S	UJ050N
BH050N	GH050S	HJ050S	MJ050N	PA050E	PU050L	ST050C	UJ050S
BH050S	GJ050E	HK050N	MJ050S	PA050L	PU050N	ST050E	UK050N
BJ050D	GJ050L	HR050E	NA050E	PA050N	PU050S	ST050L	UR050E
BJ050E	GJ050N	HR050L	NA050L	PA050S	SA050E	ST050N	UR050L
BJ050L	GJ050S	HR050N	NA050N	PG050E	SA050L	ST050S	UR050N
BJ050N	GK050N	HR050S	NA050S	PG050L	SA050N	SU050E	UR050S
BJ050S	GU050E	HT050C	NG050E	PG050N	SA050S	SU050L	UT050C
BK050N	GU050L	HT050E	NG050L	PG050S	SG050D	SU050N	UT050E
BR050E	GU050N	HT050L	NG050N	PH050E	SG050E	SU050S	UT050L
BR050L	GU050S	HT050N	NG050S	PH050L	SG050L	UA050E	UT050N
BR050N	HA050E	HT050S	NH050E	PH050N	SG050N	UA050L	UT050S
BR050S	HA050L	HU050E	NH050L	PH050S	SG050S	UA050N	UU050E
BU050E	HA050N	HU050L	NH050N	PJ050E	SH050E	UA050S	UU050L
BU050L	HA050S	HU050N	NH050S	PJ050L	SH050L	UG050D	UU050N
BU050N	HG050D	HU050S	NJ050E	PJ050N	SH050N	UG050E	UU050S
BU050S	HG050E	KT050E	NJ050L	PJ050S			

55 Series (24 Kg) * Only available in gas and electric							
BA055E	BU055F	HG055D	HU055F	NH055E	PT055N	SJ055N	UG055R
BA055F	BU055L	HG055E	HU055L	NH055L	PU055E	SJ055R	UH055E
BA055L	BU055N	HG055F	HU055N	NH055N	PU055L	SK055N	UH055F
BA055N	BU055R	HG055L	HU055R	NJ055E	PU055N	SK055R	UH055L
BA055R	GA055E	HG055N	KT055E	NJ055L	SA055E	ST055E	UH055N
BG055D	GA055L	HG055R	KT055L	NJ055N	SA055F	ST055F	UH055R
BG055E	GA055N	HH055E	KT055N	NK055N	SA055L	ST055L	UJ055D
BG055F	GG055E	HH055F	MG055D	NU055E	SA055N	ST055N	UJ055E
BG055L	GG055L	HH055L	MG055E	NU055L	SA055R	ST055R	UJ055F
BG055N	GG055N	HH055N	MG055F	NU055N	SG055D	SU055E	UJ055L
BG055R	GH055E	HH055R	MG055L	PA055E	SG055E	SU055F	UJ055N
BH055E	GH055L	HJ055D	MG055N	PA055L	SG055F	SU055L	UJ055R
BH055F	GH055N	HJ055E	MG055R	PA055N	SG055L	SU055N	UK055N
BH055L	GJ055E	HJ055F	MJ055D	PG055E	SG055N	SU055R	UK055R
BH055N	GJ055L	HJ055L	MJ055E	PG055L	SG055R	UA055E	UT055E
BH055R	GJ055N	HJ055N	MJ055F	PG055N	SH055E	UA055F	UT055F
BJ055D	GK055N	HJ055R	MJ055L	PH055E	SH055F	UA055L	UT055L
BJ055E	GU055E	HK055N	MJ055N	PH055L	SH055L	UA055N	UT055N
BJ055F	GU055L	HK055R	MJ055R	PH055N	SH055N	UA055R	UT055R
BJ055L	GU055N	HT055E	NA055E	PJ055E	SH055R	UG055D	UU055E
BJ055N	HA055E	HT055F	NA055L	PJ055L	SJ055D	UG055E	UU055F
BJ055R	HA055F	HT055L	NA055N	PJ055N	SJ055E	UG055F	UU055L
BK055N	HA055L	HT055N	NG055E	PK055N	SJ055F	UG055L	UU055N
BK055R	HA055N	HT055R	NG055L	PT055E	SJ055L	UG055N	UU055R
BU055E	HA055R	HU055E	NG055N	PT055L			

75 Pound (34 Kg)							
BA075E	BU075L	HG075L	HU075N	NJ075M	PT075E	SK075R	UH075F
BA075F	BU075M	HG075M	HU075R	NJ075N	PT075L	SR075E	UH075L
BA075L	BU075N	HG075N	HU075S	NJ075S	PT075M	SR075F	UH075M
BA075M	BU075R	HG075R	KT075E	NK075N	PT075N	SR075L	UH075N
BA075N	BU075S	HG075S	KT075L	NR075E	PT075S	SR075M	UH075R
BA075R	GA075E	HH075E	KT075M	NR075L	PU075E	SR075N	UH075S
BA075S	GA075L	HH075F	KT075N	NR075M	PU075L	SR075R	UJ075D
BG075D	GA075M	HH075L	KT075S	NR075N	PU075M	SR075S	UJ075E
BG075E	GA075N	HH075M	MG075D	NR075S	PU075N	ST075C	UJ075F
BG075F	GA075S	HH075N	MG075E	NU075E	PU075S	ST075E	UJ075L
BG075L	GG075E	HH075R	MG075F	NU075L	SA075E	ST075F	UJ075M
BG075M	GG075L	HH075S	MG075L	NU075M	SA075F	ST075L	UJ075N
BG075N	GG075M	HJ075D	MG075M	NU075N	SA075L	ST075M	UJ075R
BG075R	GG075N	HJ075E	MG075N	NU075S	SA075M	ST075N	UJ075S
BG075S	GG075S	HJ075F	MG075R	PA075E	SA075N	ST075R	UK075N
BH075E	GH075E	HJ075L	MG075S	PA075L	SA075R	ST075S	UK075R
BH075F	GH075L	HJ075M	MJ075D	PA075M	SA075S	SU075E	UR075E
BH075L	GH075M	HJ075N	MJ075E	PA075N	SG075D	SU075F	UR075F
BH075M	GH075N	HJ075R	MJ075F	PA075S	SG075E	SU075L	UR075L
BH075N	GH075S	HJ075S	MJ075L	PG075E	SG075F	SU075M	UR075M
BH075R	GJ075E	HK075N	MJ075M	PG075L	SG075L	SU075N	UR075N
BH075S	GJ075L	HK075R	MJ075N	PG075M	SG075M	SU075R	UR075R
BJ075D	GJ075M	HR075E	MJ075R	PG075N	SG075N	SU075S	UR075S
BJ075E	GJ075N	HR075F	MJ075S	PG075S	SG075R	UA075E	UT075C
BJ075F	GJ075S	HR075L	NA075E	PH075E	SG075S	UA075F	UT075E
BJ075L	GK075N	HR075M	NA075L	PH075L	SH075E	UA075L	UT075F
BJ075M	GU075E	HR075N	NA075M	PH075M	SH075F	UA075M	UT075L
BJ075N	GU075L	HR075R	NA075N	PH075N	SH075L	UA075N	UT075M
BJ075R	GU075M	HR075S	NA075S	PH075S	SH075M	UA075R	UT075N
BJ075S	GU075N	HT075C	NG075E	PJ075E	SH075N	UA075S	UT075R
BK075N	GU075S	HT075E	NG075L	PJ075L	SH075R	UG075D	UT075S
BK075R	HA075E	HT075F	NG075M	PJ075M	SH075S	UG075E	UTF75L

Table continues...

75 Pound (34 Kg)							
BR075E	HA075F	HT075L	NG075N	PJ075N	SJ075D	UG075F	UTF75N
BR075F	HA075L	HT075M	NG075S	PJ075S	SJ075E	UG075L	UU075E
BR075L	HA075M	HT075N	NH075E	PK075N	SJ075F	UG075M	UU075F
BR075M	HA075N	HT075R	NH075L	PR075E	SJ075L	UG075N	UU075L
BR075N	HA075R	HT075S	NH075M	PR075L	SJ075M	UG075R	UU075M
BR075R	HA075S	HU075E	NH075N	PR075M	SJ075N	UG075S	UU075N
BR075S	HG075D	HU075F	NH075S	PR075N	SJ075R	UGF75L	UU075R
BU075E	HG075E	HU075L	NJ075E	PR075S	SJ075S	UGF75N	UU075S
BU075F	HG075F	HU075M	NJ075L	PT075C	SK075N	UH075E	

120 Pound (55 Kg)							
BA120E	GA120L	HA120N	HU120N	NK120N	PT120C	SJ120E	UG120N
BA120L	GA120N	HA120S	HU120S	NU120E	PT120E	SJ120L	UG120S
BA120N	GA120S	HG120E	KT120E	NU120L	PT120L	SJ120N	UH120E
BA120S	GG120E	HG120L	KT120L	NU120N	PT120N	SJ120S	UH120L
BG120E	GG120L	HG120N	KT120N	NU120S	PT120S	SK120N	UH120N
BG120L	GG120N	HG120S	KT120S	PA120E	PU120E	ST120C	UH120S
BG120N	GG120S	HH120E	NA120E	PA120L	PU120L	ST120E	UJ120D
BG120S	GH120E	HH120L	NA120L	PA120N	PU120N	ST120L	UJ120E
BH120E	GH120L	HH120N	NA120N	PA120S	PU120S	ST120N	UJ120L
BH120L	GH120N	HH120S	NA120S	PG120E	SA120E	ST120S	UJ120N
BH120N	GH120S	HJ120E	NG120E	PG120L	SA120L	SU120E	UJ120S
BH120S	GJ120E	HJ120L	NG120L	PG120N	SA120N	SU120L	UK120N
BJ120E	GJ120L	HJ120N	NG120N	PG120S	SA120S	SU120N	UT120C
BJ120L	GJ120N	HJ120S	NG120S	PH120E	SG120E	SU120S	UT120E
BJ120N	GJ120S	HK120N	NH120E	PH120L	SG120L	UA120E	UT120L
BJ120S	GK120N	HT120C	NH120L	PH120N	SG120N	UA120L	UT120N
BK120N	GU120E	HT120E	NH120N	PH120S	SG120S	UA120N	UT120S
BU120E	GU120L	HT120L	NH120S	PJ120E	SH120E	UA120S	UU120E
BU120L	GU120N	HT120N	NJ120E	PJ120L	SH120L	UG120D	UU120L
BU120N	GU120S	HT120S	NJ120L	PJ120N	SH120N	UG120E	UU120N
BU120S	HA120E	HU120E	NJ120N	PJ120S	SH120S	UG120L	UU120S
GA120E	HA120L	HU120L	NJ120S	PK120N			

170 Pound (77 Kg) *Only available in gas and steam							
BA170L	GA170N	HA170S	HU170S	NU170L	PT170L	SJ170N	UG170S
BA170N	GA170S	HG170L	KT170L	NU170N	PT170N	SJ170S	UH170L
BA170S	GG170L	HG170N	KT170N	NU170S	PT170S	SK170N	UH170N
BG170L	GG170N	HG170S	KT170S	PA170L	PU170L	ST170C	UH170S
BG170N	GG170S	HH170L	NA170L	PA170N	PU170N	ST170L	UJ170D
BG170S	GH170L	HH170N	NA170N	PA170S	PU170S	ST170N	UJ170L
BH170L	GH170N	HH170S	NA170S	PG170L	SA170L	ST170S	UJ170N
BH170N	GH170S	HJ170L	NG170L	PG170N	SA170N	SU170L	UJ170S
BH170S	GJ170L	HJ170N	NG170N	PG170S	SA170S	SU170N	UK170N
BJ170L	GJ170N	HJ170S	NG170S	PH170L	SG170L	SU170S	UT170C
BJ170N	GJ170S	HK170N	NH170L	PH170N	SG170N	UA170L	UT170L
BJ170S	GK170N	HT170C	NH170N	PH170S	SG170S	UA170N	UT170N
BK170N	GU170L	HT170L	NH170S	PJ170L	SH170L	UA170S	UT170S
BU170L	GU170N	HT170N	NJ170L	PJ170N	SH170N	UG170D	UU170L
BU170N	GU170S	HT170S	NJ170N	PJ170S	SH170S	UG170L	UU170N
BU170S	HA170L	HU170L	NJ170S	PK170N	SJ170L	UG170N	UU170S
GA170L	HA170N	HU170N	NK170N	PT170C			

200 Pound (90 Kg) *Only available in gas and steam							
BA200L	GA200N	HA200S	HU200S	NU200L	PT200L	SJ200N	UG200S
BA200N	GA200S	HG200L	KT200L	NU200N	PT200N	SJ200S	UH200L
BA200S	GG200L	HG200N	KT200N	NU200S	PT200S	SK200N	UH200N
BG200L	GG200N	HG200S	KT200S	PA200L	PU200L	ST200C	UH200S
BG200N	GG200S	HH200L	NA200L	PA200N	PU200N	ST200L	UJ200D
BG200S	GH200L	HH200N	NA200N	PA200S	PU200S	ST200N	UJ200L
BH200L	GH200N	HH200S	NA200S	PG200L	SA200L	ST200S	UJ200N
BH200N	GH200S	HJ200L	NG200L	PG200N	SA200N	SU200L	UJ200S
BH200S	GJ200L	HJ200N	NG200N	PG200S	SA200S	SU200N	UK200N
BJ200L	GJ200N	HJ200S	NG200S	PH200L	SG200L	SU200S	UT200C
BJ200N	GJ200S	HK200N	NH200L	PH200N	SG200N	UA200L	UT200L
BJ200S	GK200N	HT200C	NH200N	PH200S	SG200S	UA200N	UT200N
BK200N	GU200L	HT200L	NH200S	PJ200L	SH200L	UA200S	UT200S
BU200L	GU200N	HT200N	NJ200L	PJ200N	SH200N	UG200D	UU200L
BU200N	GU200S	HT200S	NJ200N	PJ200S	SH200S	UG200L	UU200N
BU200S	HA200L	HU200L	NJ200S	PK200N	SJ200L	UG200N	UU200S
GA200L	HA200N	HU200N	NK200N	PT200C			

Heater Digit (Position 6)
C - Steam (CRN)
D - Liquid Petroleum (L.P.) Gas, Japan
E - Electric
F - Reduced Electric (Eco Line)
L - L.P. Gas
M - Medium Electric
N - Natural Gas
R - Reduced Gas, Natural Gas (Eco Line)
S - Steam

OPL Control Suffixes		
Control Digit (position 7)	**Actuation Digit (position 8)**	**Example Control Suffix Combination**
F - Dual Digital Control	N - OPL	FN- Dual Digital Control, OPL

Preliminary Information

About the Control

This control is an advanced, programmable computer that allows the owner to control most machine features by pressing a sequence of keypads. Refer to Control Identification.

The control allows the owner to retrieve audit information and run diagnostic tests. Refer to *Entering the Manual Mode* for a full list of features.

IMPORTANT: In the event of a power failure, the control will not have to be reprogrammed. It is designed with a memory system that will remember how it was programmed until the electrical power is restored.

IMPORTANT: It is extremely important that the machine has a good ground connection and that all mechanical and electrical connections to the control are made before applying power to or operating the machine.

Glossary of Terms

The following are a few terms and abbreviations to learn. These are referred to throughout the instructions.

Display – This term refers to the window area of the control that displays words and values.

LED (Light Emitting Diode) – This term refers to the lights next to the keypads and status words of the control.

Power Fail Recovery

If a cycle is in progress and the power fails, the cycle status is saved in memory. When the power recovers, the dryer will resume into the previously active cycle (if so programmed by the owner), by pressing the START pad. If the power failure occurs while the control is in a fatal error mode, it will return to *Start Mode* upon recovery.

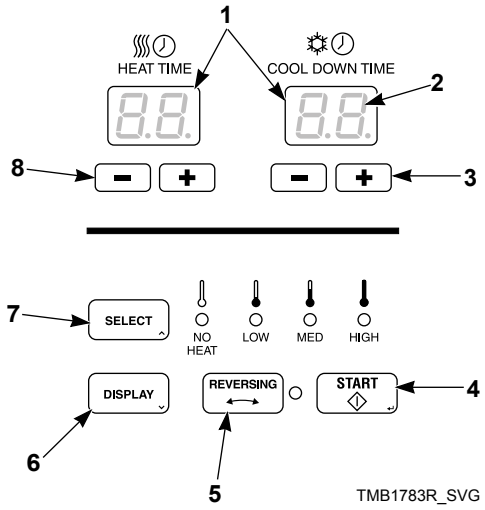
Control Identification

Select Cycle Keypads

The SELECT keypad is used to select the specific machine cycle. The default cycle is set at the previously selected cycle. The selected cycle is indicated by the light (LED) on the control. Pressing the START (enter) keypad will confirm the selection and the cycle will begin.

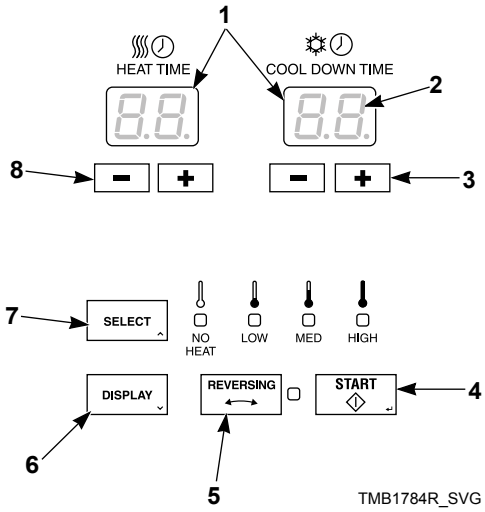
NOTE: The reversing feature is not available on all models.

S Models



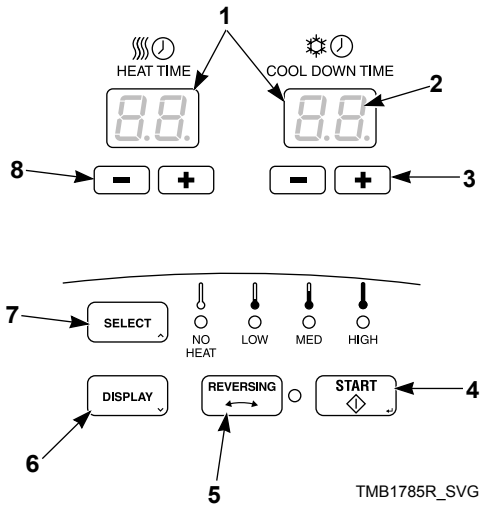
1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

H Models



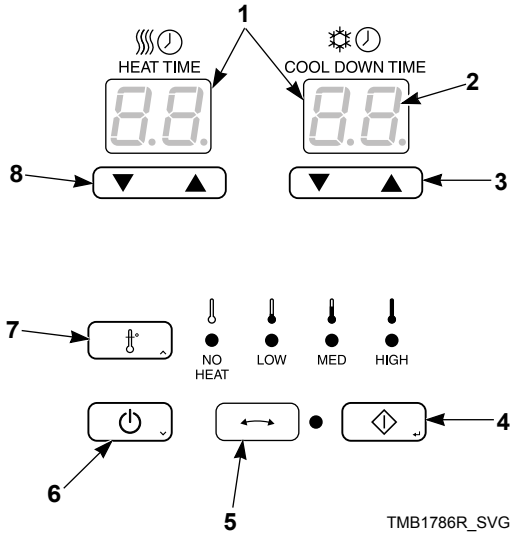
1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

U Models



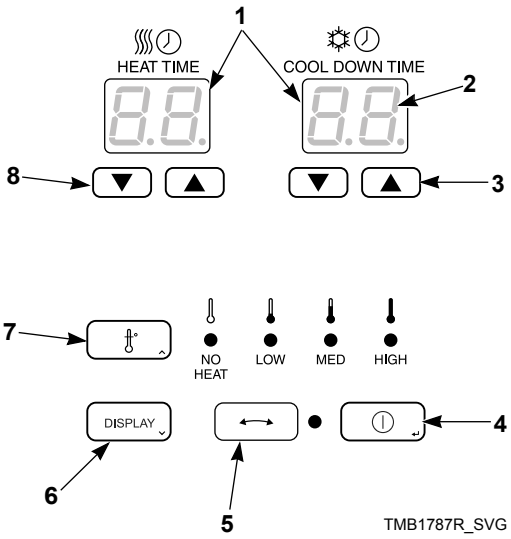
1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

I Models



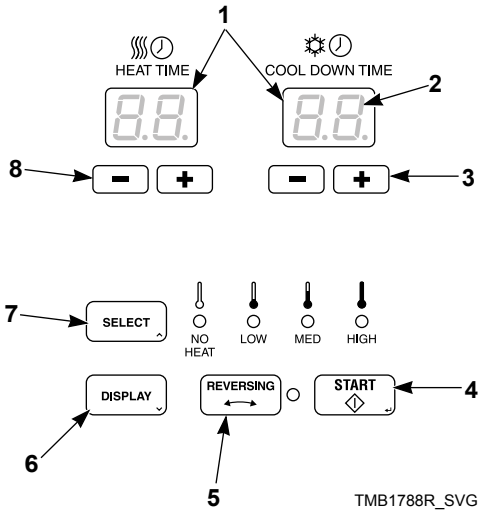
1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

P Models



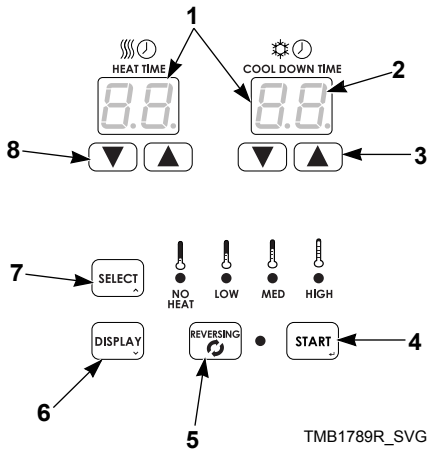
1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

N Models



1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

G and K Models



1. Display
2. 7-segment Digits
3. Increase/Decrease COOL DOWN TIME
4. START (enter) Keypad
5. REVERSING Keypad
6. DISPLAY Keypad
7. SELECT Temperature Keypad
8. Increase/Decrease HEAT TIME

Display Identification

Light Emitting Diodes (LEDs)

LIGHT EMITTING DIODES (LEDs) are used to indicate the chosen cycle and cycle status. See below for information on each LED.

CYCLE LED

(High, Medium, Low, No Heat)

Cycle LED will remain lit the entire cycle.

REVERSING LED (reversing models only)

Any time a cycle or cycle step is set for reversing, the REVERSING LED will be lit.

Four 7-Segment Digits

The 7-Segment Digits are used to display the time remaining in a cycle, error messages and descriptive codes. During diagnostic testing, these digits will display descriptive codes and values (as described in *How to Enter the Manual Mode*).

Special Features

Collecting Audit Information

The control will store audit information in its memory that can be retrieved by pressing various combinations of keypads. The control will record total machine cycles, total hours run and total rapid advance cycles.

For more information on the audit features, refer to *Manual Read Audit Mode Menu*.

Testing the Machine Using Diagnostic Functions

Special diagnostic features built into the control allow the owner to run specific diagnostic tests. By opening and closing the service door and then pressing various sequences of keypads, the owner may perform diagnostic tests.

For detailed information on running diagnostic tests, refer to *Manual Diagnostic Mode Menu*.

Rapid Advance Feature

This feature allows the owner to manually advance through active cycles. This feature is useful when tests must be performed immediately on a machine currently in an active cycle. In this case, the owner can manually advance through the cycles to *Start Mode*. At this point, the owner can perform the required tests and then return the machine to the point it was interrupted.

For information on using the Rapid Advance feature, refer to *Run Mode*.

Machine Operation

Power Up

When power is applied to the machine, the control becomes active and will display its machine type (tD), followed by the software version (SH HH), and then by the software subversion number (.HH)

System Check Mode

The front end control enters this mode after Power-Up Mode. System Check Mode acts as an extension to Power-Up Mode and during this mode, the control will check if the correct drive motor, fan motor and ignition control (for gas machines only) are connected to the machine. If the motor type checks have successfully been completed or if the door is not closed prior to the five (5) second timer expiring, the front end control will continue to the next mode. The mode that is entered after System Check Mode completes is determined in Power-Up Mode. If the door was not closed and the motor type check was not completed, this check will be done the next time the motor drive contactor is enabled. If the test detects an incorrect drive motor, fan motor or ignition control, a Board ID Error will be set.

Start Mode

The control enters this mode when it is ready to start or resume a cycle. The control will display the last cycle that was run and the remaining cycle time.

If the DISPLAY keypad is pressed or if there is no input from the operator for 4.25 minutes (i.e., keypad presses, opening or closing the loading door), the display will turn off. Operator input (i.e., keypad presses opening or closing the loading door) will turn on the display.

After pressing the START (enter) keypad if the door is closed, the cycle will begin. The cycle time in minutes will be displayed.

Run Mode

The control enters this mode when a cycle is running. The time remaining appears in the display.

Upon the start of a cycle, the control will display the heat cycle time and cool down cycle time. When the heat portion of the cycle ends, the cool down portion begins.

If the *Rapid Advance Feature* is enabled, press the START (enter) keypad to decrement one minute per key press.

Once the cycle is complete, the control will proceed to the *End of Cycle Mode*.

End of Cycle Mode

When a cycle is complete, the control displays 00 until the door is opened or a keypad is pressed. When one of these options occurs, the control reverts back to *Start Mode*. If enough time elapses and the door is not opened or a keypad is pressed, the control will enter *Extended Tumble Mode*.

Changing Cycles

Cycles can be changed anytime by pressing the SELECT keypad to change temperature, press the up or down keypads to change heat and cool down times and press the REVERSING keypad to turn reversing on and off.

OPL Power Save

When in *Start Mode*, if the display keypad is pressed or if there is no input from the operator for 4.25 minutes, (i.e., keypad presses, opening or closing the loading door), the display will turn off. Operator input (i.e., keypad presses, opening or closing the loading door) will turn on the display.

Power Failure Display Mode

In Power Failure Display Mode the control will show Pr FL. This informs the user that a cycle was interrupted and did not complete normally. This mode is entered from *System Check Mode* if a power failure occurred during a cycle and the cycle is not able to automatically resume. If the user presses any key, *Start Mode* is entered. Refer to *Power Failure Recovery*.

Error Display Mode

This feature is used to display a machine error. Refer to *Machine Errors* for more details on errors and their displays.

Extended Tumble Mode

If the door hasn't been opened and no keys have been pressed 20 minutes after the cycle has ended, the control increments the Total Number Extended Tumble Cycles audit counter and enters Extended Tumble. The cylinder will tumble for two minutes every 60 minutes for up to 18 hours or until the door is opened or a key is pressed.

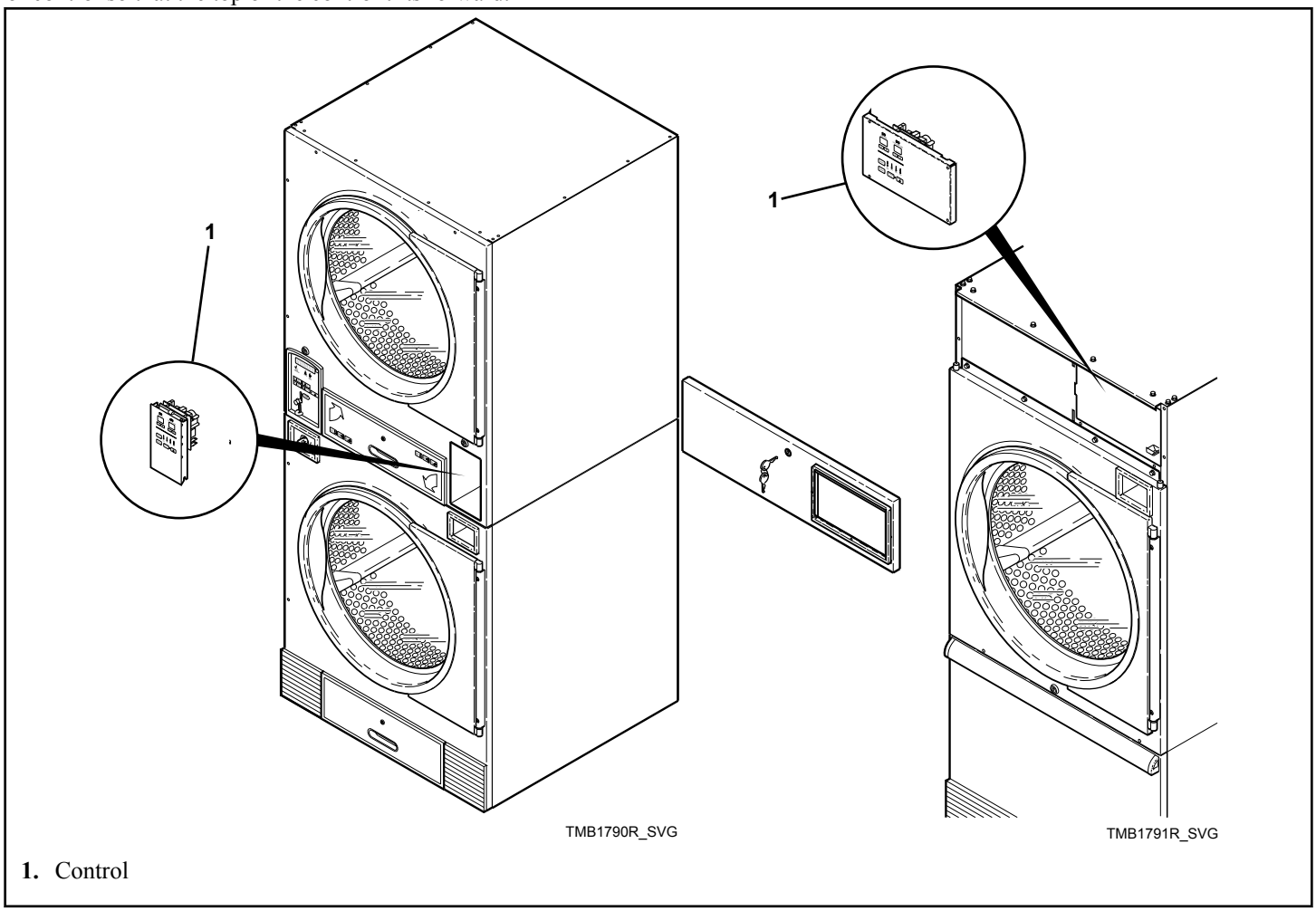
Opening the Service Door

Stacked Tumble Dryer

To open the service door, unlock it. Push down and in on bottom of control so that the top of the control tilts forward.

Stand Alone Tumble Dryer

Unlock access panel over control and remove.



1. Control

Figure 1

Entering the Manual Mode

Manual Mode allows audit and diagnostic control functions to be accessed manually from the control.

How to Enter the Manual Mode

1. Open the service door. Refer to Opening the Service Door.
2. Press and hold the SELECT (∧) and DISPLAY (∨) keypads at the same time.
3. The display will shows rA Pd.
4. Press the SELECT (∧) or the DISPLAY (∨) keypad to scroll through the options until the desired option appears in the display. Refer to *Table 1* .
5. Press the START (enter) keypad to enter the option.

Manual Modes	
Display	**Description**
rA Pd	Manual Rapid Advance Mode (Refer to *Manual Rapid Advance Menu*)
AU dt	Manual Read Audit Mode (Refer to *Manual Read Audit Mode Menu*)
d i AG	Manual Diagnostic Mode (Refer to *Manual Diagnostic Mode Menu*)

Table 1

How to Exit Manual Mode

Simultaneously press the SELECT (∧) and DISPLAY (∨) keypads until the control returns to the mode that was active before Manual Mode was entered.

Rapid Advance Feature

Manual Rapid Advance Menu

This feature allows the user to quickly advance through a running cycle (reduce time remaining in the cycle).

While in Rapid Advance Mode, the cycle time may be reduced by pressing the START (enter) keypad. If the START (enter) keypad is pressed and held in, the time remaining will be reduced at a rate of 4 minutes per second.

1. From Manual Mode (refer to *How to Enter the Manual Mode*), select rA Pd and press the START (enter) keypad.
2. Press the SELECT (∧) or DISPLAY (∨) keypads to advance the cycle by reducing the time.
3. Press the START (enter) keypad to select the desired time.
4. Simultaneously press the SELECT (∧) and DISPLAY (∨) keypads or press the START (enter) keypad to exit the rapid advance option.
5. Simultaneously press the SELECT (∧) and DISPLAY (∨) keypads to return to the Manual Mode menu.

Collecting Audit Information

Manual Read Audit Mode Menu

The Manual Read Audit Mode menu allows an operator to view the audit data listed in *Table 2* .

1. From Manual Mode (refer to *How to Enter the Manual Mode*), select AU dt and press the START (enter) keypad.
2. Press the SELECT (∧) or DISPLAY (∨) keypads to scroll through the available audit data.
3. Press the START (enter) keypad to select the desired audit data option. The audit data is displayed.
4. Simultaneously press the SELECT (∧) and DISPLAY (∨) keypads or press the START (enter) keypad to exit the audit data option.
5. Simultaneously press the SELECT (∧) and DISPLAY (∨) keypads to return to the Manual Mode menu.

Display	Description
CY C	Total number of cycles
ru hr	Total number of run hours
rA Pd	Total number of rapid advance cycles

Table 2

Machine Diagnostic Functions

Manual Diagnostic Mode Menu

The Manual Diagnostic Mode allows an operator to run diagnostic tests on various machine operations (refer to *Table 3*) without servicing the machine.

1. From Manual Mode (refer to *How to Enter the Manual Mode*), select d 1 A9 and press the START (enter) keypad.
2. Press the SELECT (∧) or DISPLAY (∨) keypads to scroll through the diagnostic test options until the desired option is displayed.
3. Press the START (enter) keypad to select the desired option.
4. Press the SELECT (∧) or DISPLAY (∨) keypads to scroll through the diagnostic test option steps.
5. Press the START (enter) keypad to run the diagnostic test.

NOTE: Press the SELECT (∧) and DISPLAY (∨) keypads at the same time to cancel a diagnostic test before it is complete.

6. To exit the Manual Diagnostic Mode, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads to return to the Manual Mode menu.

Diagnostic (Testing) Mode – Quick Reference

Test Number	Diagnostic Mode	Display
d 01	Front-End Control Software Version Number	SH HH, HH
d 02	Input/Output Board Software Version Number	ob HH, HH
d 03	Drive Board Software Version Number	db HH
d 04	Fan Board Software Version Number	Fb HH
d 05	Ignition Control Software Version Number (gas models only)	IC HH
d 08	Service Door Switch Input Test	S oP, S CL
d 14*	Dryer On Temp Test	HH HF or HH HC, NN
d 15*	Door Switch Input Test	dr oP, dr CL
d 16*	Lint Door Switch Input Test	Lt oP, Lt CL
d 19	Temperature Sensor Display Test	HH HF or HH HC, SH, oP
d 20	12.5VDC Voltage Test	HH HH
d 21	24VDC Voltage Test	HH HH
d 28	AC Mains Voltage Test	H HH
d 29	Machine Configuration #1 Display Test	AH HH
d 30	Machine Configuration #2 Display Test	bH HH
d 31	Machine Configuration #3 Display Test	CH HH
d 32	Machine Configuration #4 Display Test	dH HH
d 33	Machine Configuration #5 Display Test	EH HH
d 34*	ICM Alarm Status (gas models only)	A on, AoFF

Table 3 *continues...*

Test Number	Diagnostic Mode	Display
d 35*	ICM Reset Test (gas models only)	rS Et
d 36*	Heat Interlock Test	-
-	Cabinet Limit Thermostat	C oP, C CL
-	Stove Limit Thermostat 1	S1 oP, S1 CL
-	Stove Limit Thermostat 2	S2 oP, S2 CL
-	Manual Reset Limit Thermostat	ML oP, ML CL
d 37*	Air Flow Switch Test	AF oP, AF CL
d 38*	Fan Motor Test	FA n
d 39*	Damper Motor Test (steam models only)	dA MP
d 40*	Drive Motor Test	Fr d, PA US, rE u
*Diagnostic test only available in *Start Mode*.		

Table 3

Diagnostic Test Descriptions

Front-End Control Software Version Number d 01

This option displays the control software version number. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show SH HH, where H HH is the software version number, then HH, where HH is the software subversion number if the subversion is not 0.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Input/Output Board Software Version Number d 02

This option displays the input/output board software version number. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show ob HH, where HH is the board software version number, then HH, where HH is the software subversion number if the subversion is not 0.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Drive Board Software Version Number d 03

This option displays the drive board software version number. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show db HH where HH is the software version of the drive.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Fan Board Software Version Number d 04

This option displays the fan board software version number. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show Fb HH, where HH is the drive parameter version number.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Ignition Control Software Version Number d 05 (gas models only)

This option displays the current ignition control software version number. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show iC HH where HH is the software version of the drive.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Service Door Switch Input Test d 08

This option tests the service door switch. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show S oP when the service door switch is open and S CL when the service door switch is closed.

The service door switch has to be closed for at least one second and opened for at least one second for the display to change. This test will add a count to the service door opening counter for the audit and save the date/time for each opening.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Dryer on Temperature Test d 14

This option tests the temperature inside the cylinder while running a cycle. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The machine will run until it has reached the selected cycle temperature. The display will show HH HF for degrees in Fahrenheit or HH HC for degrees in Celsius. The HH H will show the degrees. During cool down, the control will display the time remaining as MM (minutes) or MM SS (minutes and seconds).

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Door Switch Input Test d 15

This test will display whether the loading door is open or closed. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. If the door is open, the display will show dr oP. If the door is closed, the display will show dr CL.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Lint Door Switch Input Test d 16

This test will display whether the lint door switch is open or closed. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. If the lint door switch is open, the display will show Lt oP. If the lint door switch is closed, the display will show Lt CL.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Temperature Sensor Display Test d 19

This option displays the temperature sensed at the thermistor. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. If the door is closed, the display will show HH HF or HH HC. The F will show Fahrenheit, the C will show Celsius and the HHH will show degrees. If control senses a shorted thermistor, the display will show SH. If the control senses an open thermistor, the display will show oP.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

12.5VDC Voltage Test d 20

This test displays the value of the 12.5VDC supply. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show HH HH where HHH is the voltage.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

24VDC Voltage Test d 21

This test will display whether the washer door is open or closed. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show HH HH where HHH in the voltage. The 24V supply is charged when the door is closed. If the door is open the supply will discharge to a near zero (0) value.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

AC Mains Voltage Test d 28

This will display the AC Mains Voltage. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show HHH which is the voltage in 1 Volt precision.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads.

Machine Configuration #1 Display Test d 29

This option shows the machine configuration values. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. For configuration value #1, the display will show AH HH. HH is a number corresponding to whether or not the network board or the life-test jumper is present. Refer to *Table 4* .

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads.

Each column of the table below contains a unique combination of the words YES and NO that indicates if that column's connection is present.

Configuration Value	Comm Board "B" Header Present
0	NO
16	**YES**

Table 4

Machine Configuration #2 Display Test d 30

This option shows the machine configuration values. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. For configuration value #2, the display will show bH HH. HHH is a number corresponding to the capacity size of the machine. Refer to *Table 5* .

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Option	Description
0	Invalid
1	25 Pound Tumble Dryer
2	30 Pound Tumble Dryer
3	35 Pound Tumble Dryer
4	T30 Pound Stack Tumble Dryer
5	T45 Pound Stack Tumble Dryer
6	50 Pound Tumble Dryer
7	55 Pound Tumble Dryer
9	75 Pound Tumble Dryer
10	F75 Pound Tumble Dryer
14	120 Pound Tumble Dryer
15	170 Pound Tumble Dryer
16	200 Pound Tumble Dryer

Table 5

Machine Configuration #3 Display Test d 31

This option is not used on this model. 0 is always displayed.

Machine Configuration #4 Display Test d 32

This option shows the user which dipswitches are set on the control. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To Enter, press the START (enter) keypad. The display will show dH HH with H HH representing a configuration value as shown in *Table 6* .

If supply voltage is 100-127 Volt per phase, the voltage configuration should be 120 Volt.

If supply voltage is 200-240 Volt per phase, the voltage configuration should be 240 Volt.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Each column in the table below contains a unique combination of the words ON and OFF that indicates if that column's dipswitch is set on or off when the value is displayed.

Table 5 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
0	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
1	OFF	OFF	OFF	OFF	OFF	OFF	OFF	**ON**
2	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
3	OFF	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**
4	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	OFF
5	OFF	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**
6	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF
7	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**
8	OFF	OFF	OFF	OFF	**ON**	OFF	OFF	OFF
9	OFF	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
10	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF
11	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**
12	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF
13	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**
14	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**	OFF
15	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**
16	OFF	OFF	OFF	**ON**	OFF	OFF	OFF	OFF
17	OFF	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**
18	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF
19	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**
20	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF
21	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**
22	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF
23	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**
24	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF
25	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**
26	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**	OFF
27	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**
28	OFF	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF
29	OFF	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**
30	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
31	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
32	OFF	OFF	**ON**	OFF	OFF	OFF	OFF	OFF
33	OFF	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**
34	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF
35	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**
36	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF
37	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**
38	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**	OFF
39	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**
40	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF
41	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**
42	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**	OFF
43	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**
44	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF
45	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**
46	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**	OFF
47	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
48	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF
49	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**
50	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF
51	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**
52	OFF	OFF	**ON**	**ON**	OFF	**ON**	OFF	OFF
53	OFF	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**
54	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**	OFF
55	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
56	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF
57	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**
58	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
59	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
60	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF
61	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
62	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
63	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
64	OFF	**ON**	OFF	OFF	OFF	OFF	OFF	OFF
65	OFF	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**
66	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF
67	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**
68	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF
69	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**
70	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**	OFF
71	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**
72	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF
73	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**
74	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**	OFF
75	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**
76	OFF	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF
77	OFF	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**
78	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**	OFF
79	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
80	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF	OFF
81	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**
82	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**	OFF
83	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**
84	OFF	**ON**	OFF	**ON**	OFF	**ON**	OFF	OFF
85	OFF	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**
86	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
87	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**
88	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF
89	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**
90	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**	OFF
91	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**
92	OFF	**ON**	OFF	**ON**	**ON**	**ON**	OFF	OFF
93	OFF	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**
94	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	OFF
95	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
96	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF
97	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**
98	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**	OFF
99	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**
100	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF
101	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**
102	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF
103	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**
104	OFF	**ON**	**ON**	OFF	**ON**	OFF	OFF	OFF
105	OFF	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**
106	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**	OFF
107	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**
108	OFF	**ON**	**ON**	OFF	**ON**	**ON**	OFF	OFF
109	OFF	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**
110	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	OFF
111	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
112	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF
113	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**
114	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
115	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**
116	OFF	**ON**	**ON**	**ON**	OFF	**ON**	OFF	OFF
117	OFF	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**
118	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	OFF
119	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
120	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF	OFF
121	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**
122	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	OFF
123	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
124	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	OFF
125	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
126	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
127	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
128	**ON**	OFF	OFF	OFF	OFF	OFF	OFF	OFF
129	**ON**	OFF	OFF	OFF	OFF	OFF	OFF	**ON**
130	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**	OFF
131	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**	**ON**
132	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF	OFF
133	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF	**ON**
134	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**	OFF
135	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**	**ON**
136	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF	OFF
137	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF	**ON**
138	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**	OFF
139	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**	**ON**
140	**ON**	OFF	OFF	OFF	**ON**	**ON**	OFF	OFF
141	**ON**	OFF	OFF	OFF	**ON**	**ON**	OFF	**ON**
142	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
143	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**	**ON**
144	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF	OFF
145	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF	**ON**
146	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**	OFF
147	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**	**ON**
148	**ON**	OFF	OFF	**ON**	OFF	**ON**	OFF	OFF
149	**ON**	OFF	OFF	**ON**	OFF	**ON**	OFF	**ON**
150	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**	OFF
151	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**	**ON**
152	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF	OFF
153	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF	**ON**
154	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**	OFF
155	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**	**ON**
156	**ON**	OFF	OFF	**ON**	**ON**	**ON**	OFF	OFF
157	**ON**	OFF	OFF	**ON**	**ON**	**ON**	OFF	**ON**
158	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**	OFF
159	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
160	**ON**	OFF	**ON**	OFF	OFF	OFF	OFF	OFF
161	**ON**	OFF	**ON**	OFF	OFF	OFF	OFF	**ON**
162	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**	OFF
163	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**	**ON**
164	**ON**	OFF	**ON**	OFF	OFF	**ON**	OFF	OFF
165	**ON**	OFF	**ON**	OFF	OFF	**ON**	OFF	**ON**
166	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**	OFF
167	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**	**ON**
168	**ON**	OFF	**ON**	OFF	**ON**	OFF	OFF	OFF
169	**ON**	OFF	**ON**	OFF	**ON**	OFF	OFF	**ON**
170	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
171	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**	**ON**
172	**ON**	OFF	**ON**	OFF	**ON**	**ON**	OFF	OFF
173	**ON**	OFF	**ON**	OFF	**ON**	**ON**	OFF	**ON**
174	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**	OFF
175	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
176	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF	OFF
177	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF	**ON**
178	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**	OFF
179	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**	**ON**
180	**ON**	OFF	**ON**	**ON**	OFF	**ON**	OFF	OFF
181	**ON**	OFF	**ON**	**ON**	OFF	**ON**	OFF	**ON**
182	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**	OFF
183	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
184	**ON**	OFF	**ON**	**ON**	**ON**	OFF	OFF	OFF
185	**ON**	OFF	**ON**	**ON**	**ON**	OFF	OFF	**ON**
186	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**	OFF
187	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
188	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	OFF	OFF
189	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
190	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	OFF
191	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
192	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	OFF
193	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF	**ON**
194	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**	OFF
195	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**	**ON**
196	**ON**	**ON**	OFF	OFF	OFF	**ON**	OFF	OFF
197	**ON**	**ON**	OFF	OFF	OFF	**ON**	OFF	**ON**
198	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
199	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**	**ON**
200	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF	OFF
201	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF	**ON**
202	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**	OFF
203	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**	**ON**
204	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF	OFF
205	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF	**ON**
206	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**	OFF
207	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
208	**ON**	**ON**	OFF	**ON**	OFF	OFF	OFF	OFF
209	**ON**	**ON**	OFF	**ON**	OFF	OFF	OFF	**ON**
210	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**	OFF
211	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**	**ON**
212	**ON**	**ON**	OFF	**ON**	OFF	**ON**	OFF	OFF
213	**ON**	**ON**	OFF	**ON**	OFF	**ON**	OFF	**ON**
214	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**	OFF
215	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**	**ON**
216	**ON**	**ON**	OFF	**ON**	**ON**	OFF	OFF	OFF
217	**ON**	**ON**	OFF	**ON**	**ON**	OFF	OFF	**ON**
218	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**	OFF
219	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**	**ON**
220	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	OFF	OFF
221	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**ON**
222	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	OFF
223	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
224	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF	OFF
225	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF	**ON**
226	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
227	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**	**ON**
228	**ON**	**ON**	**ON**	OFF	OFF	**ON**	OFF	OFF
229	**ON**	**ON**	**ON**	OFF	OFF	**ON**	OFF	**ON**
230	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**	OFF
231	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**	**ON**
232	**ON**	**ON**	**ON**	OFF	**ON**	OFF	OFF	OFF
233	**ON**	**ON**	**ON**	OFF	**ON**	OFF	OFF	**ON**
234	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**	OFF
235	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**	**ON**
236	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	OFF	OFF
237	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**ON**
238	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	OFF
239	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
240	**ON**	**ON**	**ON**	**ON**	OFF	OFF	OFF	OFF
241	**ON**	**ON**	**ON**	**ON**	OFF	OFF	OFF	**ON**
242	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**	OFF
243	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**	**ON**
244	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	OFF	OFF
245	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**ON**
246	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	OFF
247	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
248	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	OFF	OFF
249	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**ON**
250	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	OFF
251	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
252	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	OFF
253	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
254	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	OFF

Table 6 *continues...*

Configuration Value	Dipswitch 8 (Heat Source)	Dipswitch 7 (Heat Source)	Dipswitch 6 (Reserved)	Dipswitch 5 (Unused)	Dipswitch 4 (Temp Units)*	Dipswitch 3 (Reserved)	Dipswitch 2 (Unused)	Dipswitch 1 (Volt Supply)**
255	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
*OFF = Fahrenheit, ON = Celsius **OFF = 120 VAC, ON = 240 VAC								

Table 6

Machine Configuration #5 Display Test d 33

This option shows the voltage configuration of the machine and the fan speed type. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. For configuration value #5, the display will show EH HH.HHH is a number corresponding to the voltage parameter and fan speed. Refer to *Table 7* .

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Config Value	Adjust Fan Speed for Heat Type	480V Motor Drives
2	Gas/Steam	OFF
3	Gas/Steam	**ON**
4	Electric	OFF
5	Electric	**ON**
6	Eco Gas	OFF
7	Eco Gas	**ON**
8	Eco Electric	OFF
9	Eco Electric	**ON**
10	Low kW Electric	OFF
11	Low kW Electric	**ON**

Table 7

ICM Alarm Status d 34 (gas models only)

This option shows the status of the ICM (Ignition Control Module) Alarm. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show A on if the alarm is active for at least one second or Ao FF if the alarm is not active for one second.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

ICM Reset Test d 35 (gas models only)

The ICM Reset Test can be used to clear/reset an active alarm. To start test, control must be in the *Manual Diagnostic Mode Menu*.

When the test is entered, the display will show rS Et . Press the START (enter) keypad. When this test is started, the ICM reset will become active. If the reset signal is active for a long enough period of time (3.5 seconds) the ICM Lockout input will become inactive (3.5 seconds) and then stop the ICM Reset Test.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Heat Interlock Test d 36

While this test is running, the control will show the status of the following inputs for two seconds each. The control will continue scrolling through the input status displays until the test is aborted. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. Refer to four sections below for more details on individual statuses.

NOTE: These switches are tested in sequence. If one switch is sensed open, the rest will be open as well.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Cabinet Limit Thermostat

The display will show C oP if sensed open for at least 1.5 seconds and C CL if sensed closed for at least one second.

Stove Limit Thermostat 1

The display will show S1 oP if sensed open for at least 1.6 seconds and S1 CL if sensed closed for at least one second.

Stove Limit Thermostat 2

The display will show S2 oP if sensed open for at least 1.7 seconds and S2 CL if sensed closed for at least one second.

Manual Reset Limit Thermostat

The display will show ML oP if the switch is sensed open for at least 3.0 seconds and ML CL if the switch is sensed closed for at least one second.

Air Flow Switch Test d 37

This option shows the current state of the air flow switch. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show AF oP or AF CL, with AF oP being open and AF CL being closed. Switch has to be closed for at least one second or open for at least one second for a valid change.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Fan Motor Test d 38

This option shows the fan motor running. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show FA n to indicate the fan motor is going to run.

NOTE: This test does not count towards the total machine run time operation.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Damper Motor Test d 39 (steam models only)

This option shows the damper motor running. To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show dA MP to indicate the damper motor is going to run.

NOTE: This test does not count towards the total machine run time operation.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Drive Motor Test d 40

NOTE: For nonreversing models, the display will show Frd indefinitely.

This option shows the drive motor running. The test will turn the cylinder forward for 30 seconds, pause for 6 seconds, rotate in the reverse direction for 30 seconds and pause for 6 seconds.

To start test, control must be in the *Manual Diagnostic Mode Menu*.

To enter, press the START (enter) keypad. The display will show Fr d when spinning in forward direction, PA US when the cylinder is paused and rE u when spinning in the reverse direction.

NOTE: This test does not count towards the total machine run time operation.

To exit the test, simultaneously press the SELECT (∧) and DISPLAY (∨) keypads. The control will return to the *Manual Diagnostic Mode Menu*.

Factory Test Cycle

The Factory Test Cycle allows the user to view machine details and run the machine through various cycle steps. Refer to *Table 8* . The control enters *Machine Error Mode* if any fatal errors occur during the test cycle.

1. While in *Start Mode*, simultaneously press the SELECT (∧) and START (enter) keypads.
2. When the control enters Factory Test, it displays the first test step, Machine Type.
3. The control advances through the sequence of test steps when START (enter) is pressed, with the exception of the Keypad Test and Pressure Sensor Test. Refer to *Factory Test Quick Reference Chart* for all steps in the Factory Test.
4. Disconnect then reconnect the electrical power to the machine to exit a test cycle.

NOTE: If the control is powered down during a test cycle, the control will begin in the *Start Mode* when power is restored.

Factory Test Quick Reference Chart

Factory Test Cycles		
Display	**Test Mode**	**Comments**
tdd	Machine Type	tdd is the machine type (tumble dryer).
SHHH	Software Version	HHH is the software version number.
HH (skipped if 0)	Software Subversion	HH is the software subversion.
obHH	Output Board Version Number	HH is the output board version number.
HH (skipped if 0)	Output Board Subversion Number	HH is the output board subversion number.
dbHH	Drive Software Version Number	HH is the drive software version number.
FbHH	Fan Drive Software Version Number	HH is the fan drive software version number.
icHH (skipped if electric or steam machine)	ICM Software Version	HH is the ICM software version number.
HH HH	DipSwitch Configuration	HH is the machine type. 00 is 120V and 01 is 240V.
H HH	Machine Size	HHH is the configured machine size. tHH is for stack machines and FHH is for fast dry.
PAd or PAHH	Keypad Test	When a key is pressed, the control will display the number assigned to the keypad (1 - COOL DOWN -, 2 - COOL DOWN +, 3 - HEAT -, 4 - HEAT +, 5 - START, 6 - REVERSING, 7 - DISPLAY, 8 - SELECT). As each keypad is pressed, its corresponding LED will be lit and remain on for the duration of the test. When all keypads have been pressed, the control will advance to Show Entire Display Mode test cycle.

Table 8 *continues...*

Factory Test Cycles		
Display	**Test Mode**	**Comments**
All LEDs and display segments will light	Show Entire Display Mode	This mode will light all display elements and sound the audio.
S oP or S CL	Service Door Switch Test	oP signifies the service door switch is open or CL signifies the service door switch is closed.
dr oP or dr CL	Loading Door Test	oP signifies the loading door is open or CL signifies the loading door is closed.
Lt oP or Lt CL	Lint Door Test	oP signifies the lint door is open or CL signifies the lint door is closed.
HH HF or HH HC	Thermistor Temperature Test	The temperature will be displayed in either Fahrenheit or Celsius, depending on machine's configuration (refer to *Temperature (Fahrenheit/Celsius) tP F C*). If control senses a shorted thermistor, SH will be displayed. If control senses an open thermistor, oP will be displayed.
PU SH, St rt, 09 01, do or	10 Minute Test Cycle	Determines if dryer can function in a cycle for 10 minutes. LED display will flash one second on and one second off. If the door is opened while the START LED is flashing, the control will display door until the door is closed. While this 10 Minute Test Cycle is running, the START pad may be used to decrement the remaining cycle time. If power to the control is turned off before this test cycle has ended, the cycle is cleared. When the control is powered back up, it will be reset to Ready Mode.
Pd	Power Down	This is the final step of the Factory Test Cycle and when displayed it signifies the test has been completed.

Table 8

NOTE: If power to the control is turned off before 10 Minute Test Cycle has ended, the cycle will be cleared from control.

Error Codes

Following is a list of possible error codes for an electronic control.

NOTE: Fatal Errors will show out oF ordr along with the error on the display.

Display	Description	Cause/ Corrective Action
E AF	Airflow Switch Bounces	Inspect lint screen and ductwork. Cycle power to machine (power down, then power up).
E Co	SCI Communications Error	Communication failure. Power down, power up, check connections and try again. If error persists, replace control or output board.
E dS	Brownout/Voltage Configuration	Unexpected supply voltage. Check wiring at input of machine to make sure the correct input voltage is supplied to the machine. Check the harness connections between the user control and the output board. If the user control was replaced, set dipswitch #1 to the same setting as the previous control. If reworking the machine to use a different supply voltage, the dip switch #1 setting may need to be changed. If the dip switch #1 setting is changed, power down, power up and try again.
E Ht	Machine Did Not Reach Expected Temperature	The ignition control has power, but a flame was not sensed after the programmed amount of retries. Be sure that gas is turned on. If problem persists, troubleshoot the ignition circuit. (Igniter, Cable, Ignition Control Module.)
E id	Board ID Error	Incorrect replacement control. Replace user control or output board with correct part. The board ID error will also be set if the wrong drive motor, fan motor or ignition control are connected. The display will show dr uE, F An or i CM. Check machine configurations and connect correct drive motor, fan motor or ignition control.
E nr	Drive/Output Board Not Ready	Hardware failure. Replace output board.
E oP	Open Thermistor Error	Remove any lint build-up around thermistor. If problem persists, replace control or thermistor.
E SH	Shorted Thermistor Error	Remove any lint build-up around thermistor. If problem persists, replace control or thermistor.

Table 9 *continues...*

Display	Description	Cause/ Corrective Action
EA F1	Airflow Switch Failed to Open	Inspect lint screen and ductwork. Wipe clean and completely dry off the airflow switch vane as well as the mating material. Once error is cleared, control will go back to previous mode of operation.
EA F2	Airflow Switch Failed to Close	If machine is newly installed, make sure shipping tie has been removed from airflow switch. Inspect lint screen and ductwork. Cycle power to machine (power down, then power up).
EC Ab	Cabinet Limit Cycles	Remove any lint build-up around thermostat. If problem persists, replace control or thermostat.
E dC, E FC	Drive and Fan Communication Error	Communication failure. Power down for at least 1 minute, power up, check connections between I/O board and Drive/Fan and try again. If error persists, replace tumbler I/O board or motor with which the error occurred (Fan or Drive).
E iC	ICM Communication Error	Communication failure. Power down, power up, check connections and try again. If error persists, replace tumbler I/O board or ignition control.
Ed 04	Drive Motor Stall Error	Check that cylinder turns freely, make sure machine is not overloaded. Error can be cleared by any key press.
Ed 05	Drive Motor Coherence Check Error	Can be caused by an unbalanced load. Try to redistribute the load and lengthen the reversing pause time if reversing is enabled. Error can be cleared by any key press.
Ed 11	Drive Motor Overload Error	Check that cylinder turns freely, make sure machine is not overloaded. Error can be cleared by any key press.
Ed 13	Drive Motor Hall Sensor Failure	Power down machine to clear error.
EF 02	Fan and Drive Motor High DC Bus Error	Voltage to Fan/Drive is too high. Unpower machine to clear error. Check voltage input and check wiring to machine. Replace fan/drive motor if error persists.
EF 04	Fan Motor Stall Error	Check that blower wheel spins freely. Error can be cleared by any key press.
EF 05	Fan Motor Coherence Check Error	Check that blower wheel spins freely. Error can be cleared by any key press.

Table 9 *continues...*

Display	Description	Cause/ Corrective Action
EF 06	Fan and Drive Motor IPM Overtemp Error	IPM temperature is detected too high. Check that heat sink on the fan/drive is clear of lint or any other obstruction and check that cylinder spins freely when empty. Replace fan/drive motor if error persists.
EF 08	Fan and Drive Motor Current Limit Error	Check that cylinder/fan turns freely, make sure machine is not overloaded. Replace fan/drive motor if error persists.
EF 09	Fan and Drive Motor 460V Drive Overcurrent	Check that cylinder/fan turns freely, make sure machine is not overloaded. Replace fan/drive motor if error persists.
EF 10	Fan and Drive Motor Low DC Bus Error	Voltage to Fan/Drive is too low. For 120V machines, make sure wire harness jumper is connected which connects pins 1 and 2 of the 5-pin connector on the motor. Check voltage input and check wiring to machine. Replace fan/drive motor if error persists.
EF 12	Fan and Drive Motor Microcontroller Fault	Try to power down and power up the machine to clear the error. If error persists replace fan/drive motor.
EF t1	Optional Heat Output Shorted	Check wiring to valve/motor connected to output, replace valve/motor.
EF t2	Motor Relay Enable Output Shorted	Check motor power relay connected between, if error persists replace relay.
EF t3	Spare Relay Enable Ouptut Shorted	Check relay powered by KM2 output, if error persists replace relay.
EF t4	Auxiliary Relay 1 Ouput Shorted Error	Check relay powered by Aux 1 output, if error persists replace relay.
EF t5	Run Relay Output Shorted Error	Check Relay powered by the Run output, if error persists replace relay.
EF t6	Gas Valve 1 Output Shorted Error	Check gas valve 1, if error persists replace valve.
EF t7	Gas Valve 2 Output Shorted Error	Check gas valve 2, if error persists replace valve.
E9 01	ICM Lockout Alarm Active	Check that the gas is turned on and that the ignition circuit functions. Also check that the gas valve is operational.
E9 02	ICM Alarm Reset Shorted Error	Check wiring between the I/O board and the ignition control. Power down and power up machine to clear the error.

Table 9 *continues...*

Display	Description	Cause/ Corrective Action
E9 03	ICM Hardware Failure Error	Ignition control has detected a hardware fault. Power down and power machine to clear error. Replace ignition control if error persists.
Eo 05	I/O Board 24VDC Supply Over Voltage Error	Check machine input voltage. Power down and power up the machine to clear error. If error persists replace I/O board.
Eo 06	I/O Board 24VDC Supply Under Voltage Error	Check machine input voltage, clear any debris or lint from the I/O board. Power down and power up the machine to clear error. If error persists replace I/O board.
Eo 07	Heat Output Shorted Error	Power down machine to clear error, power up machine, try heating again. If error persists, replace I/O board.
Eo 32	Mosfet Enabled Shorted Error	Power down machine to clear error, power up machine, try running a cycle. If error persists, replace I/O board.
EN rL	Manual Reset Limit Error	Inspect tumble dryers venting/ventwork to ensure that the ventwork is adequate and that there are no blockages. Be sure to clean and inspect lint screen. Remove any lint buildup around the thermostat. Limit needs to be manually reset and machine needs to be powered down to clear the error. If problem persists, replace thermostat.
ES L1	Stove Limit 1 Cycle	Inspect tumble dryers venting/ventwork to ensure that the ventwork is adequate and that there are no blockages. Be sure to clean and inspect lint screen. Remove any lint buildup around the thermostat. If problem persists, replace thermostat.
ES L2	Stove Limit 2 Cycle	Inspect tumble dryers venting/ventwork to ensure that the ventwork is adequate and that there are no blockages. Be sure to clean and inspect lint screen. Remove any lint buildup around the thermostat. If problem persists, replace thermostat.

Table 9