

NORITZ® NRCR PRO

Noritz Residential
Condensing Recirculation



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OUTLINE

- What's New
 - Field Gas Conversion
 - EZ Start Plus Bluetooth App
 - Built in Operation Panel
 - Front Cover Latches
- Model Specifications
- Recirc Options
- Installation
 - Venting
 - Gas
 - Condensate
 - Unit Settings
 - Basic Maintenance

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WHAT'S NEW?



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WHAT'S NEW

- .98 UEF for all models
 - Highest UEF for complete BTU range in the industry
- Field Gas Conversion
 - Default setup for NG, conversion included to change to LP without the need to order a gas conversion kit.
- EZ Start Plus Bluetooth App
 - Physical dipswitches are gone! Unit setup is done entirely through Bluetooth app.
- Built in Operation Panel
 - Remote control is optional. Maintenance Monitors, Unit Settings, Recirculation Settings and more can be accessed through the Operation Panel.



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FIELD GAS CONVERSION

Scan Here!

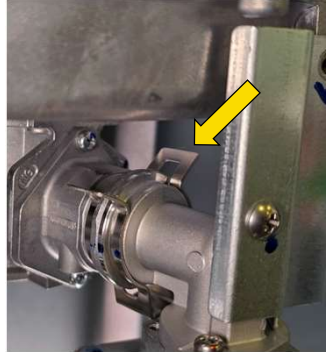


Step 1



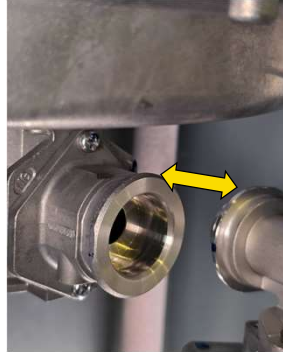
Remove screw

Step 2



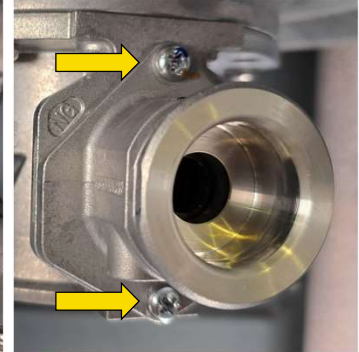
Remove the c-clip

Step 3



Carefully remove gas fitting

Step 4



Remove 2 screws securing venturi fitting



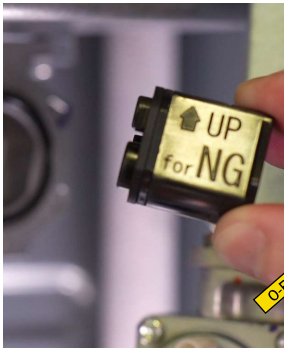
7

FIELD GAS CONVERSION

Scan Here!

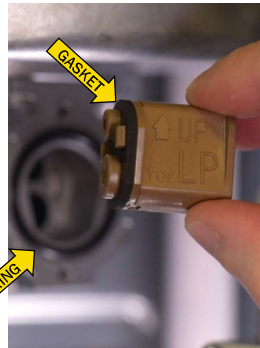


Step 5



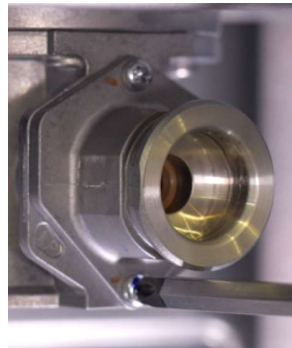
Remove NG orifice

Step 6



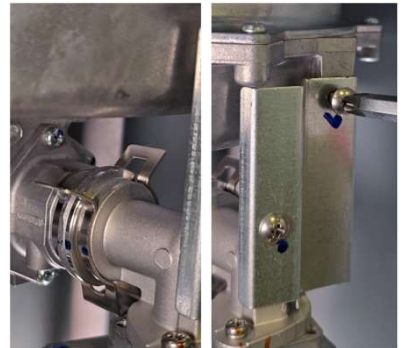
Insert LP orifice
(make sure o-ring and gasket aren't lost or damaged)

Step 7



Secure venturi fitting

Step 8



Insert gas fitting, secure c-clip and screw



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FIELD GAS CONVERSION

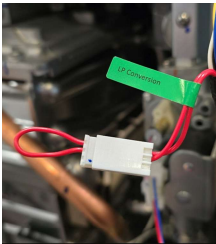


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Scan Here!



Step 9

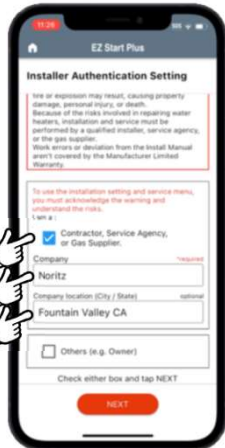


Plug in LP conversion connector

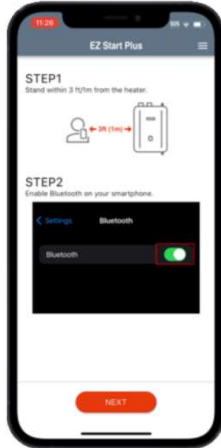
*Operation panel can also be used to convert gas type, see gas conversion directions included with unit



Step 10: Changing gas type to LP with EZ Start Plus App



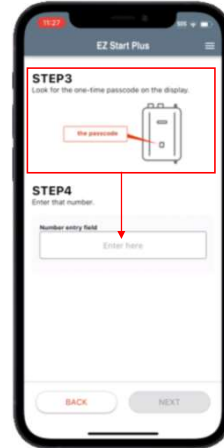
Open EZ Start Plus App and select Contractor



Make sure Bluetooth is ON



Select Unit then tap OK



Enter Passcode and tap "NEXT"

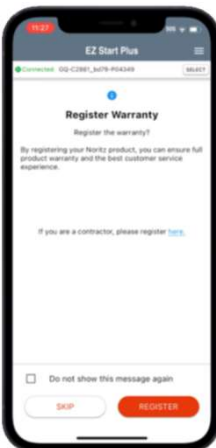
9

FIELD GAS CONVERSION



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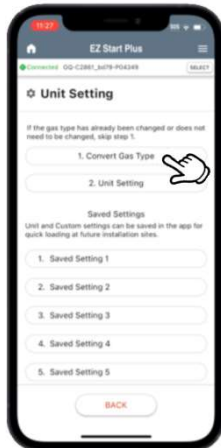
Scan Here!



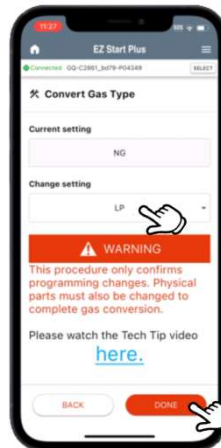
Register Warranty or skip



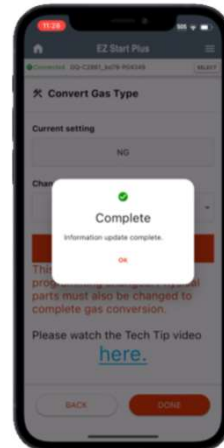
Tap "Unit Setting"



Tap "Convert Gas Type"



Tap Change Setting, Tap LP then tap "DONE"

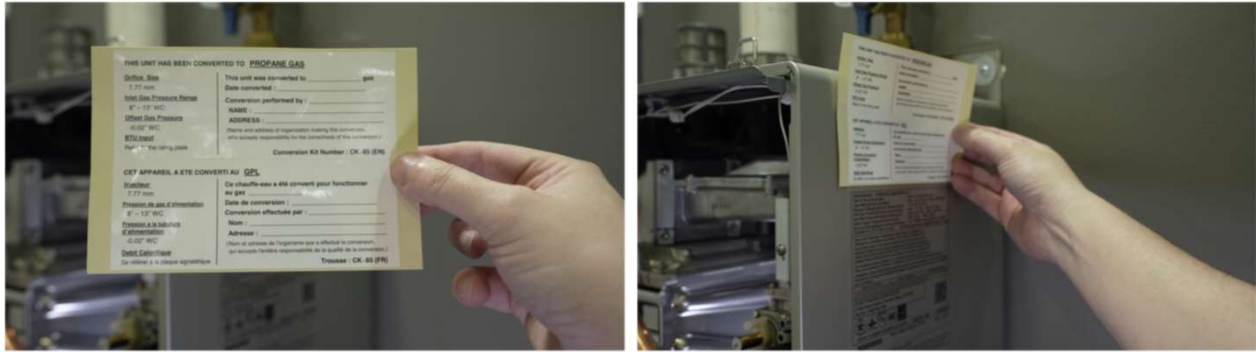


After a few seconds it should show complete

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FIELD GAS CONVERSION

MAKE SURE TO FILL OUT AND ATTATCH GAS CONVERSION STICKER TO UNIT



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EZ START PLUS APP



Initial unit setup, temperature adjustment, recirc settings and maintenance can all be handled through the new EZ Start Plus Bluetooth App!

The App will walk you through setting up the unit upon completing installation and provides an easy way to register the unit for your customers.

Error Code History can be accessed and will link you directly to help articles related to any error codes stored.



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BUILT IN OPERATION PANEL



Displays temperature setting, service reminders and error codes. Also allows you to view maintenance monitors, error code history and change installation settings. The new operation panel makes the remote control a truly optional item.



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NEW LATCHED FRONT COVER



Easier access when performing preventative maintenance, service or operating the built in display window. Remove 2 screws at the bottom of the front cover and the latches hold the cover in place until you're ready to remove it.



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MODEL SPECIFICATIONS



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NRCR PRO SPECIFICATIONS



		NRCR92	NRCR111
BTU	Min	12,800	
	Max	165k	199k
UEF		0.98	
Warranty		15 Year Heat Exchanger, 5 Years Parts, 1 Year Labor	
Field Gas Conversion		Yes (Included)	
Minimum Flow		.4 GPM	
Steady BTU		Yes	
Remote Control		Built In Display (External Optional)	
Water Connections		Bottom	
Dimensions	Height	26.1"	
	Width	18.1"	
	Depth	11.8"	
Weight		62 lbs	
Vent Length	2"	75ft	
	3"	150ft	
	4"	65ft	
Max Elevation		10,200ft	
Common Venting		2 Units	
Recirc Options		Dedicated Line or Crossover Valve	
Crossover Valve		Up to 2	

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NRCR **PRO** PERFORMANCE

FLOW RATES (GPM)													
Temp Rise (F)	30	40	45	50	60	70	80	90	100	110	120	130	140
NRCR111	11.1	9.8	8.7	7.8	6.5	5.6	4.9	4.4	3.9	3.6	3.3	3.0	2.8
NRCR92	9.2	8.0	7.1	6.4	5.3	4.6	4.0	3.6	3.2	2.9	2.7	2.5	2.3



Need more flow? Quick Connect two identical NRCR Pro units and double the flow!



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RECIRC OPTIONS

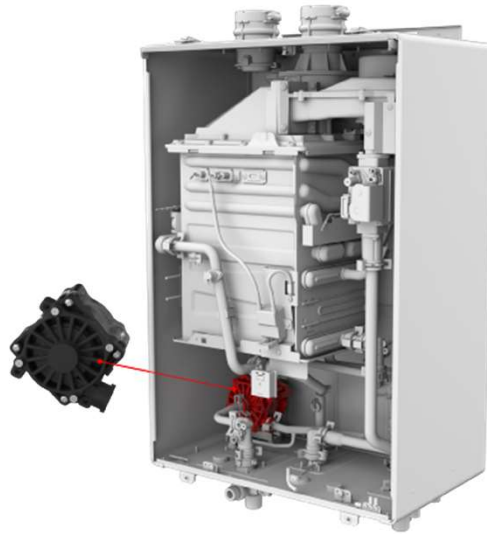


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INTEGRATED RECIRC PUMP

ECM Recirculation Pump

- 1/2" Loop = 200ft
- 3/4" Loop = 500ft

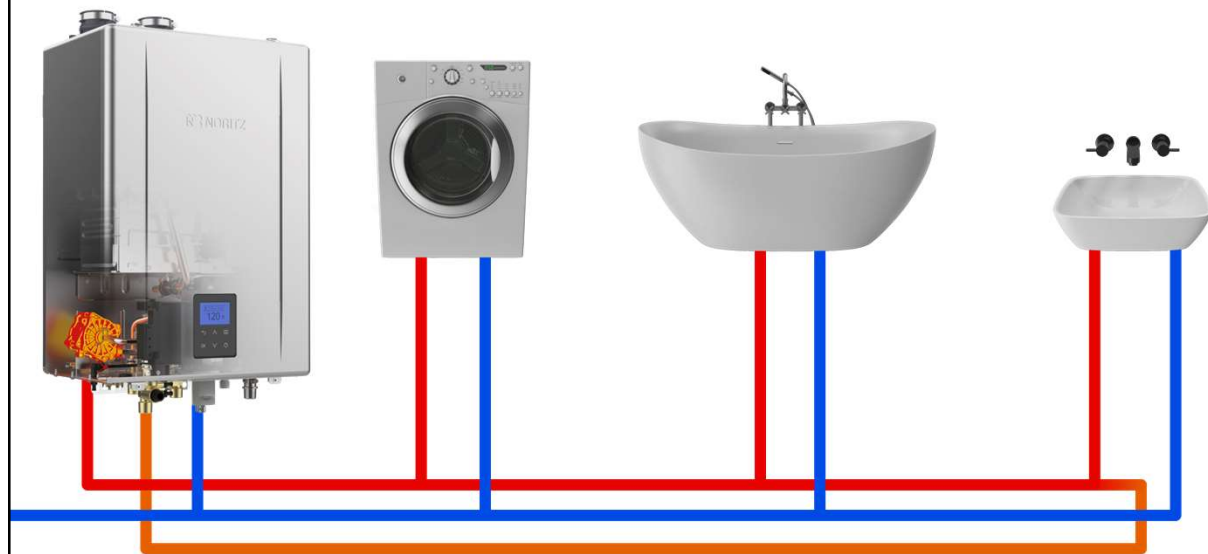


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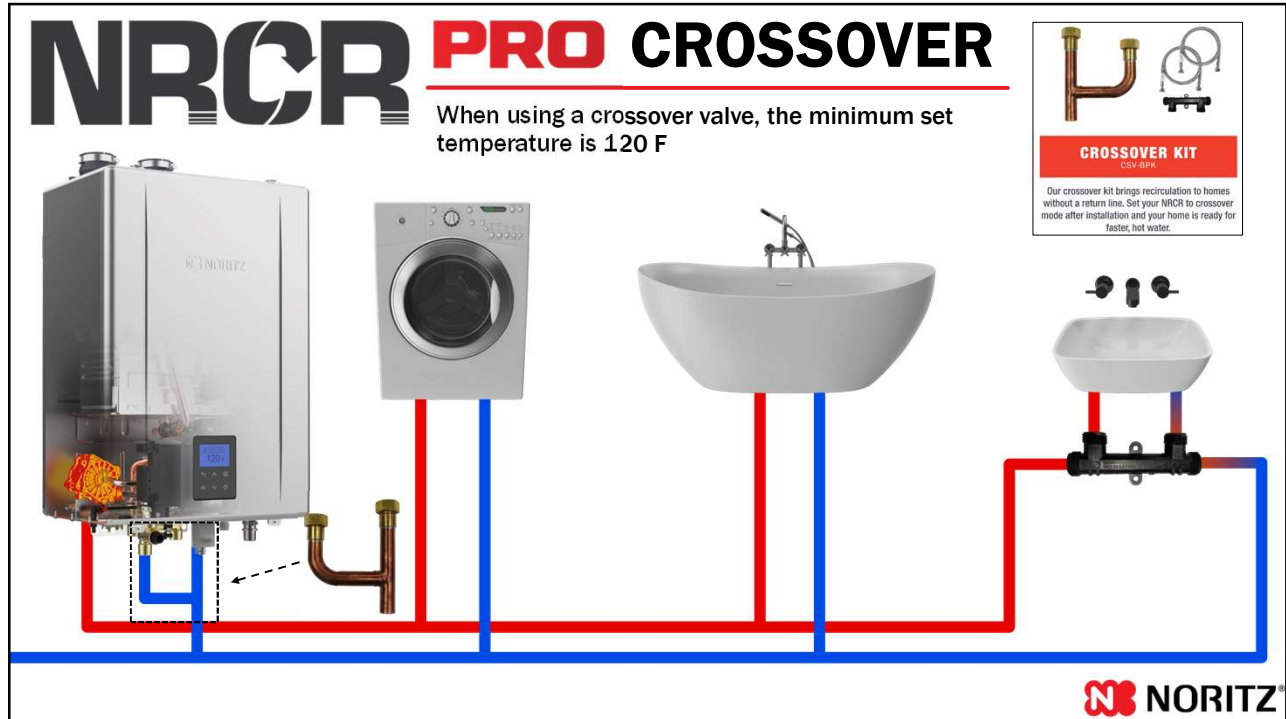
NRCR **PRO DEDICATED**



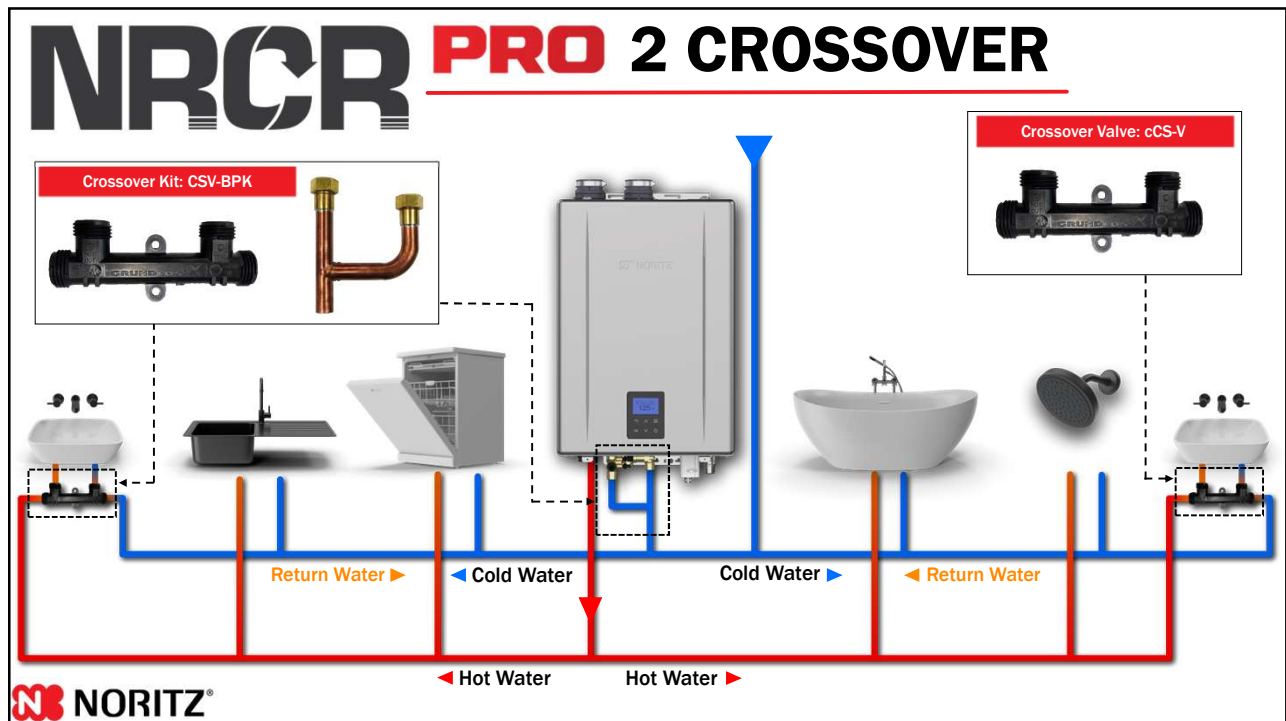
Return Line should have a shut off valve, hose bibb and expansion tank



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RECIRCULATION MODES

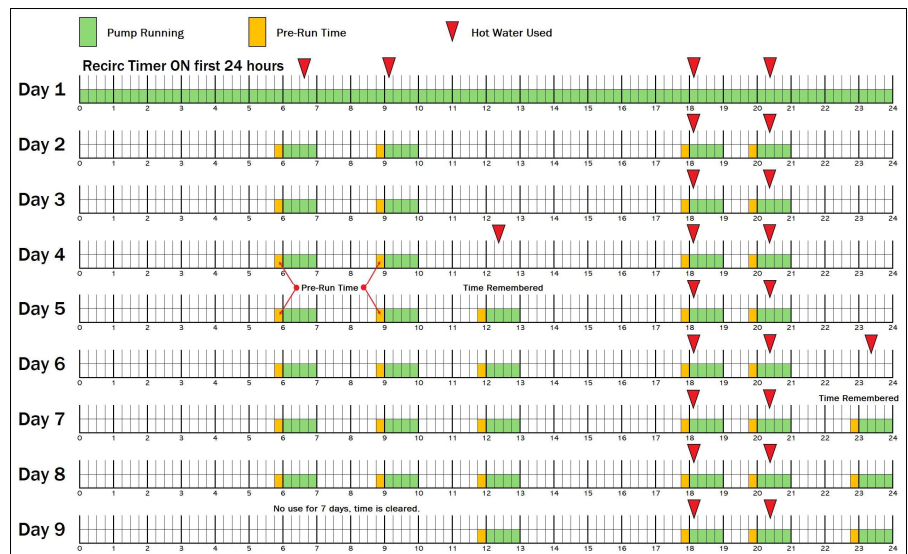
- Auto Learning
- Manual Timer
- On Demand (Title 24)
- Always Off
- Always On

Recirculation Mode is selected in the Unit Settings section of the EZ Start Plus App.



AUTO LEARNING MODE

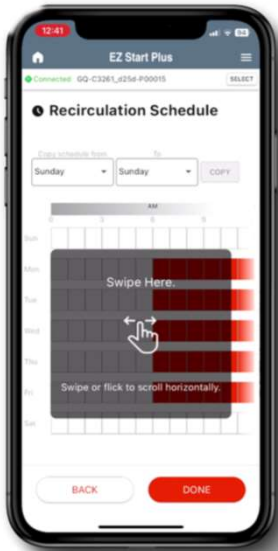
- Recirculation ON for first 24 hours.
- Automatic 14 day learning period.
- Hot water usage more than 10 seconds.
- Pre-heats the loop 15 minutes before.



(Example shows unit in 7 day "Eco" mode)



SETTING MANUAL SCHEDULE



Schedule the NRCR Pro recirc times manually with the EZ Start Plus App. Simply tap the hours you want the pump to run.

Want the same schedule every weekday? Adjust the schedule for one day then copy to all weekdays.

No longer requires extra purchase!



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TITLE 24 (ON DEMAND) MODE



Wireless Push Button Kit (WLB)



Optional Motion Sensor (WLB-MS)



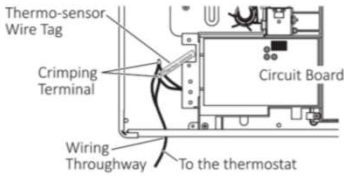
Rocker Switch (IHK-RS)



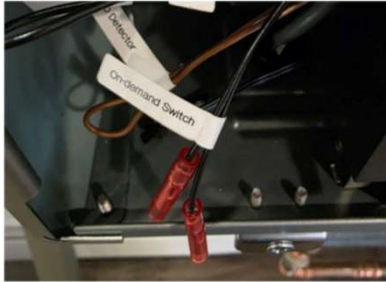
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TITLE 24 (ON DEMAND) MODE

- Cut the thermo-sensor wire (looped white) in the water heater.
- Connect to break contact (normally closed contact) on the thermostat.
- Reattach the front cover..



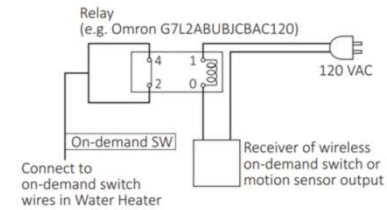
Inspector Requirement for Sensor



- This water heater is compatible with an on-demand switch, wireless switch and motion sensor.
- Prepare a relay when installing a wireless on-demand switch or motion sensor. Do not apply any voltage to the on-demand switch terminal. This terminal is only for no-voltage contact. Contact Rating: greater than 2.7 mA @ 15 VDC.
- (For quick connect (pro) multi-system) The on-demand switch can be connected to either water heater. When a remote controller is installed, connect the on-demand switch to the water heater where the remote controller is installed.

Use a relay when connecting wireless switch or motion sensor

- Refer to the step 1- 3 of "Connecting the on-demand switch".
- Choose a suitable installation location for the relay where it will be protected from moisture.
- Connect the on-demand switch wires from the heater to the signal output on the relay.
- Cut one of the electrical supply leads and connect to the signal input on the relay.
- Secure all connections and reattach the front cover.



Relay for On-Demand switch (If needed)



CUSTOMIZING RECIRC SETTINGS

The NRCR Pro Recirc settings can be customized if needed. Programming is done through the built in display window. See Service Manual for complete directions.

Time to Learn: Determines how long a hot water fixture needs to be used before the NRCR Pro memorizes the use and runs the pump the next day. Available options are:

- 3 Seconds
- 10 Seconds (default)
- 60 Seconds
- 120 Seconds.

Interval to Erase Learning Flag: determines how long the NRCR Pro will wait to erase a learned time if no hot water is used during that time. Available options are:

- 7 Days
- 14 Days (default)

Pre-Heating Adjustment: Determines how long the NRCR Pro will run the pump *before* a scheduled time to ensure the loop is heated and ready to be used at the start of the scheduled hour.

Available options are:

- Pre-run Off
- 15 Minutes (default)
- 30 Minutes
- 60 Minutes.



INSTALLATION



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PRE-INSTALLATION CHECKS

Verify the following before installation and *read the manual*:

Check the gas:

- NRRCR92 Max btu is 165k.
- NRRCR111 Max btu is 199k.

Ensure the existing gas system can support that demand + other existing gas demands.

Check the power:

- NRRCR Pro and all Noritz units operate on 120 VAC at 60Hz.

Check the vent:

- NRRCR Pro uses plastic venting (PVC, CPVC and PP).
- Existing venting will likely have to be replaced unless you are replacing a similar type unit.
- Exhaust leaks into the home may lead to injury or death. **Do not take shortcuts here!**

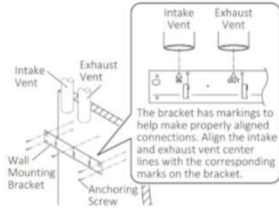


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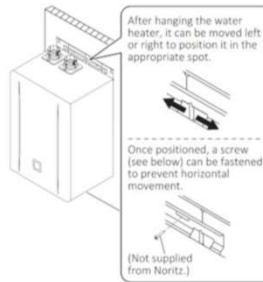
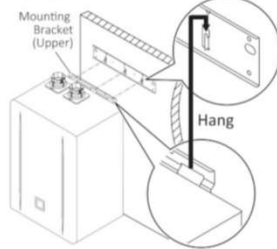
NRCR UNIT MOUNTING

Mount bracket, hang heater and shift side to side for precise alignment, secure heater.

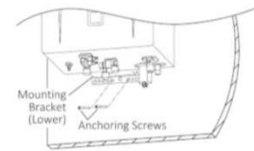
1. Ensure that the wall mounting bracket is level. Drill holes for the wall mounting bracket and affix the wall mounting bracket securely to the wall with 5 screws. Finally, make sure the bracket can support the weight of the water heater.



2. Hang the water heater on the wall mounting bracket.



3. Affix the mounting bracket (lower) to the wall by 2 screws.



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NRCR VENTING OPTIONS

As with previous models, you have the ability to install the unit indoors or outdoors with a variety of venting options.



Max Vent Lengths DV or SV:
2": 75 Feet, 3": 150 Feet, 4": 65 Feet

(EZ Pro units shown)



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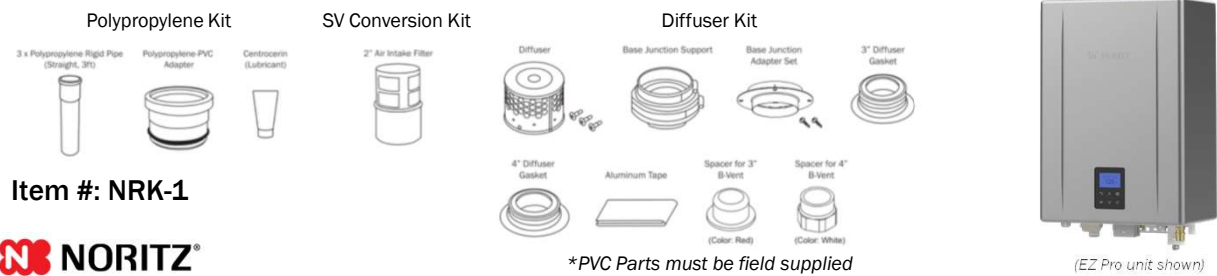
NO ROOF KIT

Have a straight run of b-vent? The No Roof Kit makes it even easier to replace a tank!

Features:

- Faster Installation without roof access
- Up to 8.5' venting available
- Available for 3" and 4" round b-vent
- Less material waste

The No Roof Kit comes with all accessories needed for installation*:



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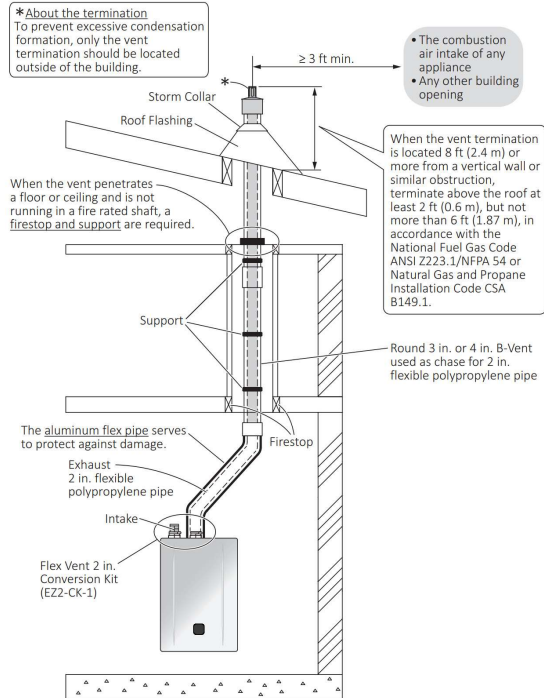
2 INCH FLEX VENT

Use existing 3" or 4" round b-vent.

2 additional parts numbers required*:

- **EZ2-CK or EZ2-CK-1:** Conversion kit to adapt unit to accept flex vent.
- **EZ2FVK-1 (25 ft.) or EZ2FVK-2 (35 ft.):** Select either 25 ft. or 35 ft. depending on length of existing b-vent.

NOTE: Flexible vent can be shortened but you cannot join 2 pieces of flexible vent to extend the length.



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INSTALLATION CLEARANCES



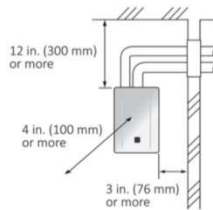
Verify the following before installation and *read the manual*
Select a proper installation location:

- Maintain minimum required clearances and if possible, recommended clearances.

4.1 Indoor Installation

Required Clearances from the Water Heater

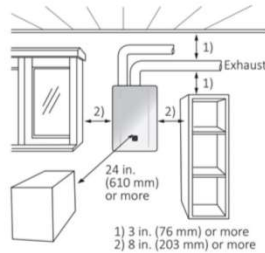
Maintain these clearances from both combustible and non-combustible materials.



Required

Space for Inspection/Repair

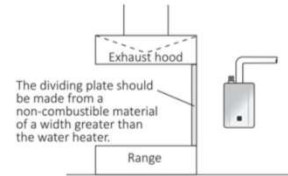
The following minimum clearances should be met to provide enough space for inspection and repair.



Recommended

Cooking Equipment

If an indoor air supply will be utilized and the water heater will be installed in the vicinity of a permanent kitchen range or stove that may generate steam containing fats or oils, use a dividing plate or other measure to ensure that the water heater is not exposed to air containing such impurities.



Cooking Equipment

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INSTALLATION CLEARANCES



Verify the following before installation and *read the manual*
Select a proper installation location:

- Maintain minimum required clearances and if possible, recommended clearances.

Recommended clearances are not only there to provide enough space for inspection, maintenance and repair but also to make sure the homeowner has quick and unimpeded access to gas and water shut offs in the unlikely event of an emergency.

Required

Recommended

Cooking Equipment

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1/2" GAS LINE CONDITIONS

1/2" Gas line is still an option with the new NRCR Series Pro assuming an 8" WC or higher initial starting pressure. As always, make sure to follow the gas sizing tables in the installation manual.

4. Maximum Natural Gas Delivery Capacity (For 8 - 10.5 in. W.C. initial supply pressure)														
3.0 in. W.C. Pressure Drop														
Pipe Size	Length (including fittings)													
	10 ft (3 m)	20 ft (6 m)	30 ft (9 m)	40 ft (12 m)	50 ft (15 m)	60 ft (18 m)	70 ft (21 m)	80 ft (24 m)	90 ft (27 m)	100 ft (30 m)	125 ft (38 m)	150 ft (45 m)	175 ft (53 m)	200 ft (60 m)
1/2 in.	454	312	250	214	190	172	158	147	138	131	116	105	96	90
3/4 in.	949	652	524	448	397	360	331	308	289	273	242	219	202	188
1 in.	1,790	1,230	986	844	748	678	624	580	544	514	456	413	380	353
1 1/4 in.	3,670	2,520	2,030	1,730	1,540	1,390	1,280	1,190	1,120	1,060	936	848	780	726
1 1/2 in.	5,500	3,780	3,030	2,600	2,300	2,090	1,920	1,790	1,680	1,580	1,400	1,270	1,170	1,090
2 in.	10,600	7,280	5,840	5,000	4,430	4,020	3,700	3,440	3,230	3,050	2,700	2,450	2,250	2,090
2 1/2 in.	16,900	11,600	9,310	7,970	7,070	6,400	5,890	5,480	5,140	4,860	4,300	3,900	3,590	3,340



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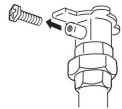
GAS LINE CONDITIONS

General gas guidelines.

	Supply Pressure	
	Natural Gas	LP Gas
Min	3.5 in. W.C.	8 in. W.C.
Max	10.5 in. W.C.	14 in. W.C.

In order to check the gas supply pressure to the Water Heater, a tap is provided on the gas inlet.

Remove the 9/32 in. hex head /Philips screw from the tap.



Test inlet pressure after installation:

- Low demand (1 or 2 fixtures)
- Moderate demand (3 or 4 fixtures)
- High demand (5+ fixtures)
- Worst case scenario, 5+ fixtures + all other gas appliances.



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GAS LINE CONDITIONS

An improperly sized gas line generally results in one or more of the following issues:

- Ignition Failure (Error Code 11)
- Flame Loss (Error Code 12)
- Abnormal Combustion (Error Code 10 or 90)
- Fluctuating water temperatures
- Abnormal noises

Other items in the gas supply system that could cause problems:

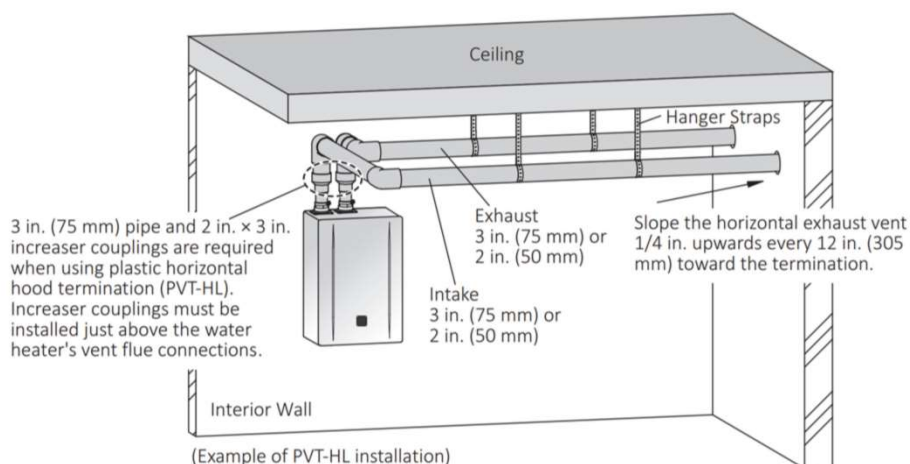
- Meter size
- Water/debris in gas line
- Earthquake safety shutoff valve (California specific)



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VENTING GUIDELINES

Wide variety of venting options for an easy install.



**Direct Vent
Horizontal**

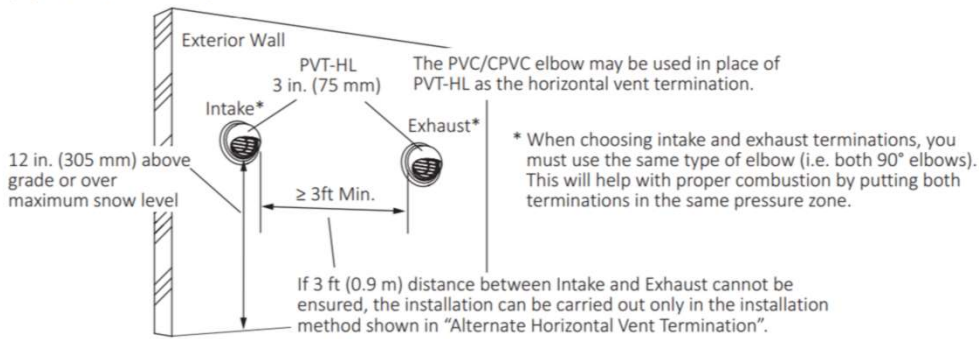


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VENTING GUIDELINES

Wide variety of venting options for an easy install.

(e.g. PVT-HL installation)



Direct Vent Horizontal



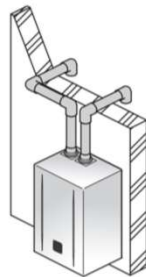
41

VENTING GUIDELINES

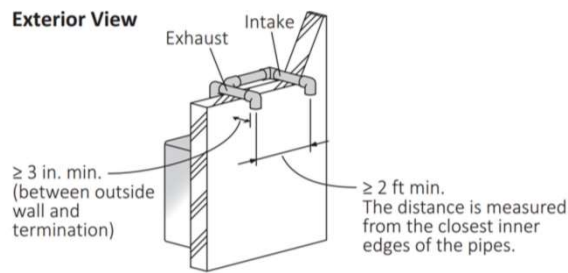
Wide variety of venting options for an easy install.

NOTE Do not use hood termination (PVT-HL).

Interior View



Exterior View



Direct Vent Horizontal (Option 1)



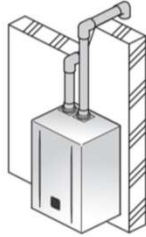
42

VENTING GUIDELINES

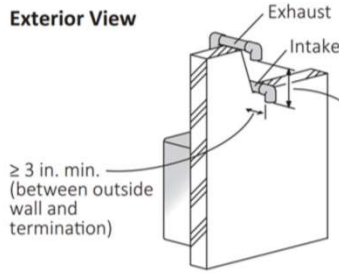
Wide variety of venting options for an easy install.

NOTE Do not use hood termination (PVT-HL).

Interior View



Exterior View



NOTE

Upper side is exhaust and lower side is intake. The reverse orientation is not allowed.

≥ 1 ft min. The distance is measured at the outlets of the intake port (termination) and exhaust port (termination).

Direct Vent Horizontal (Option 2)



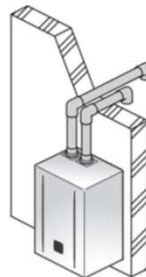
43

VENTING GUIDELINES

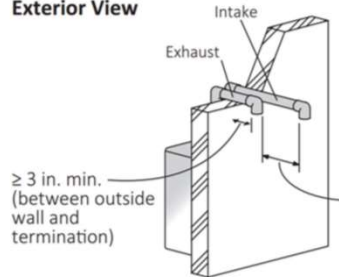
Wide variety of venting options for an easy install.

NOTE Do not use hood termination (PVT-HL).

Interior View



Exterior View



NOTE

The pipe farther from the wall is the intake, the pipe closer to the wall is the exhaust. The reverse orientation is not allowed.

≥ 1 ft min. The distance is measured from the closest inner edges of the pipes.

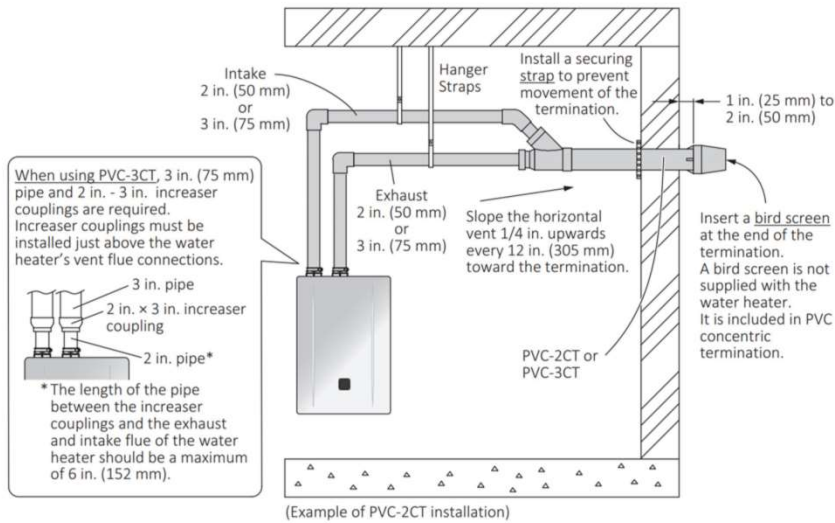
Direct Vent Horizontal (Option 3)



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VENTING GUIDELINES

Wide variety of venting options for an easy install.



Direct Vent Horizontal (Concentric)

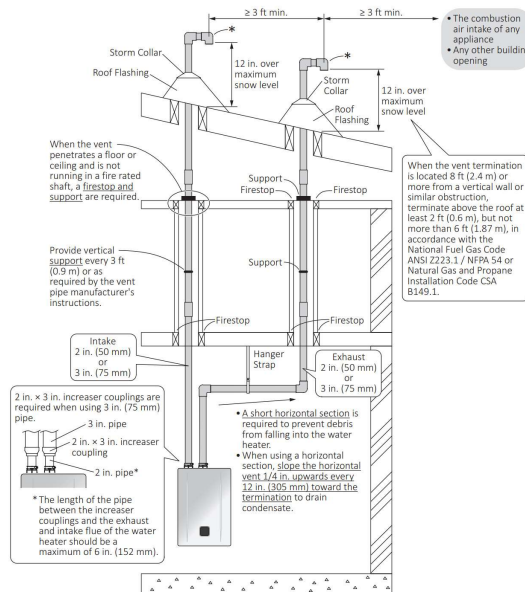


45

VENTING GUIDELINES

Wide variety of venting options for an easy install.

Direct Vent Vertical

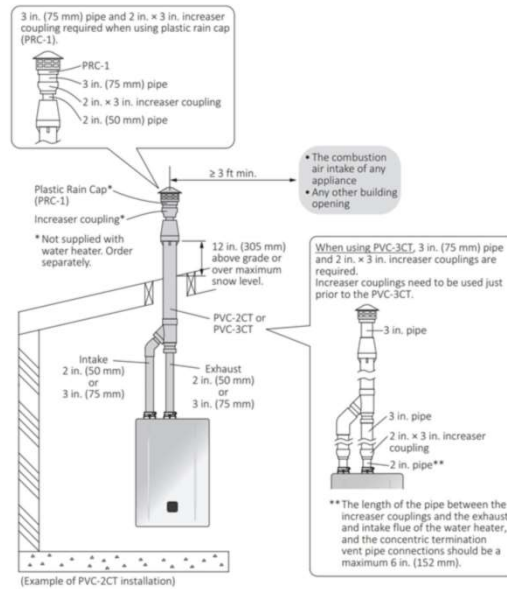


46

VENTING GUIDELINES

Wide variety of venting options for an easy install.

Direct Vent Vertical (Concentric)

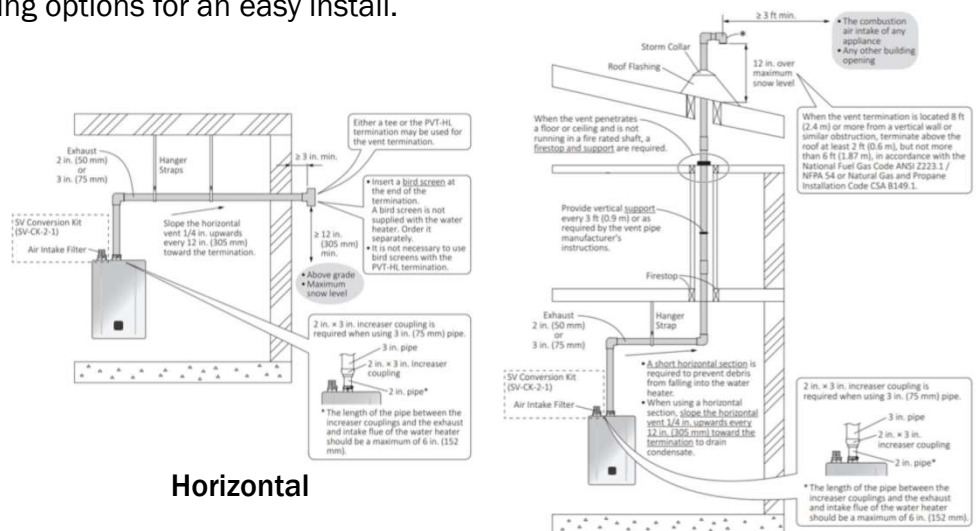


47

VENTING GUIDELINES

Wide variety of venting options for an easy install.

Single Vent



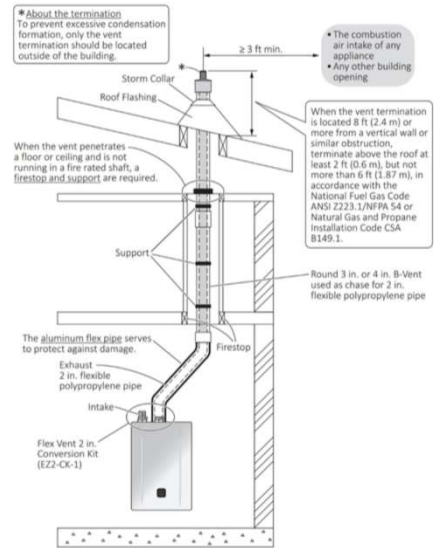
48

VENTING GUIDELINES

Wide variety of venting options for an easy install.



Outdoor



Flexible Vent



NRCR PRO COMMON VENT

NRCR Pro units can be common vented when quick connected.

Scan for manual

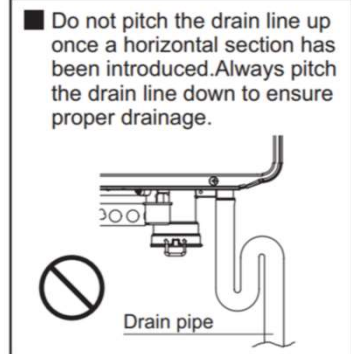
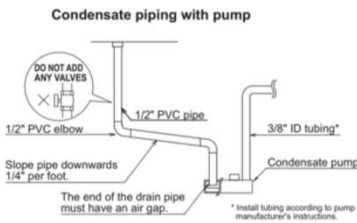
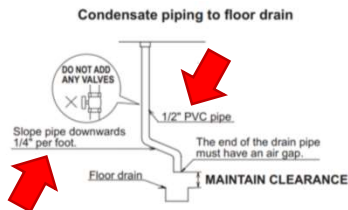


Search by Heater Accessories



CONDENSATE DRAIN LINE

Guidelines for routing the condensate drain line.



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CONDENSATE DRAIN LINE

Condensate drain piping

Make the condensate drain piping run as short as possible.

NOTE Do not make a trap.



The condensate drain line should be as short and direct as possible and you do not need to create a trap as that's what the collector inside the unit does.

Adding an air vent on the condensate line will help with draining the condensate and not backing up into the unit.



52

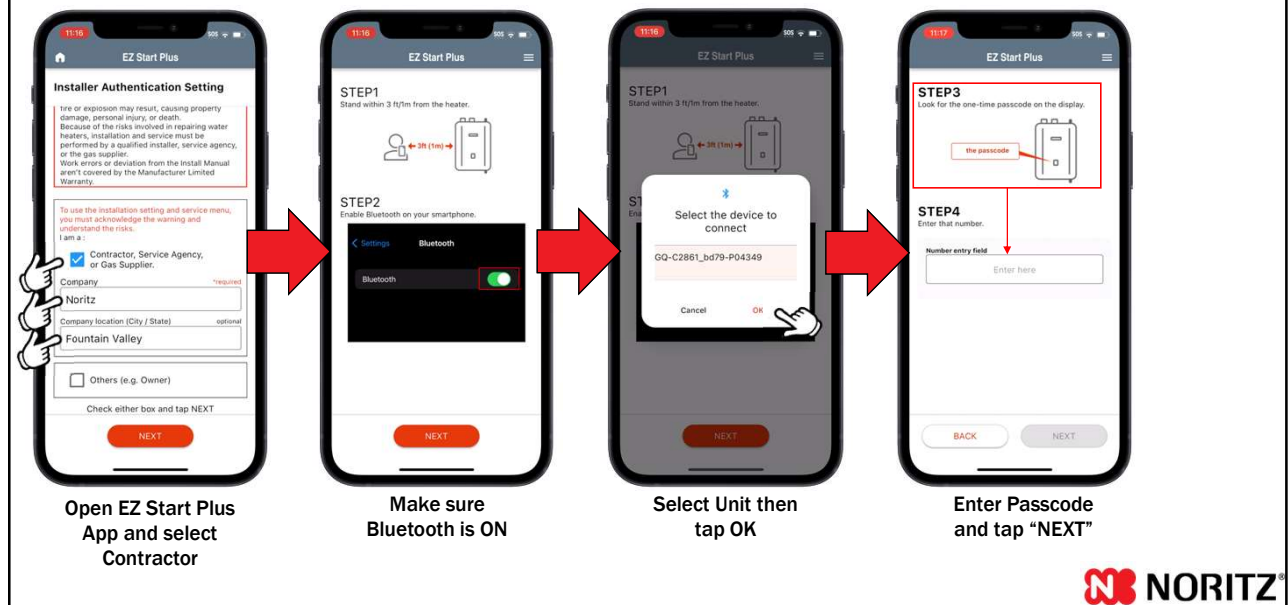
PROGRAMMING THE UNIT

Pro Series units no longer have physical dipswitches on the circuit board. All programming of the unit is done with the new EZ Start Plus App or the built in operation panel.



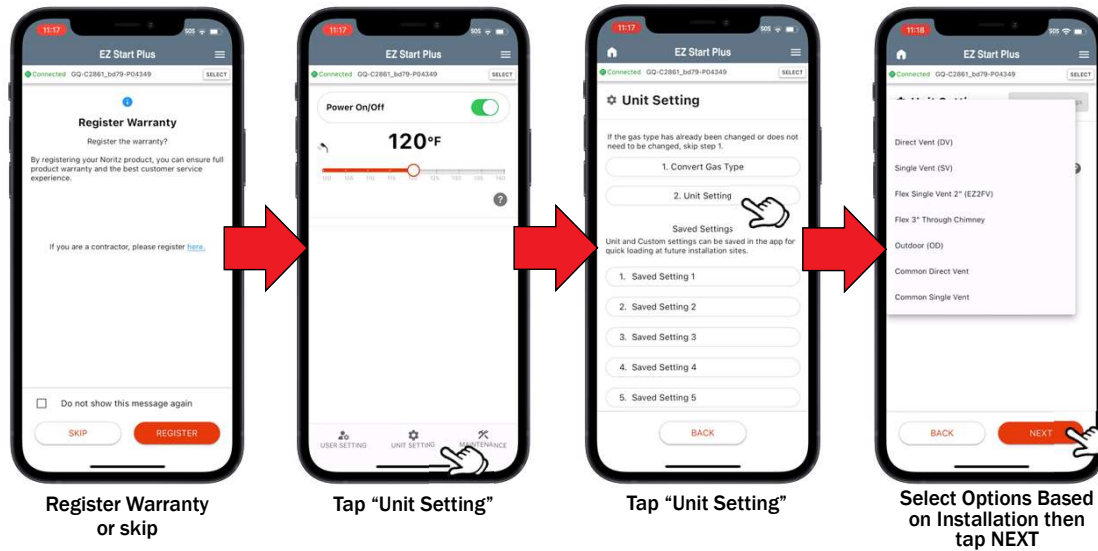
53

EZ START PLUS APP



54

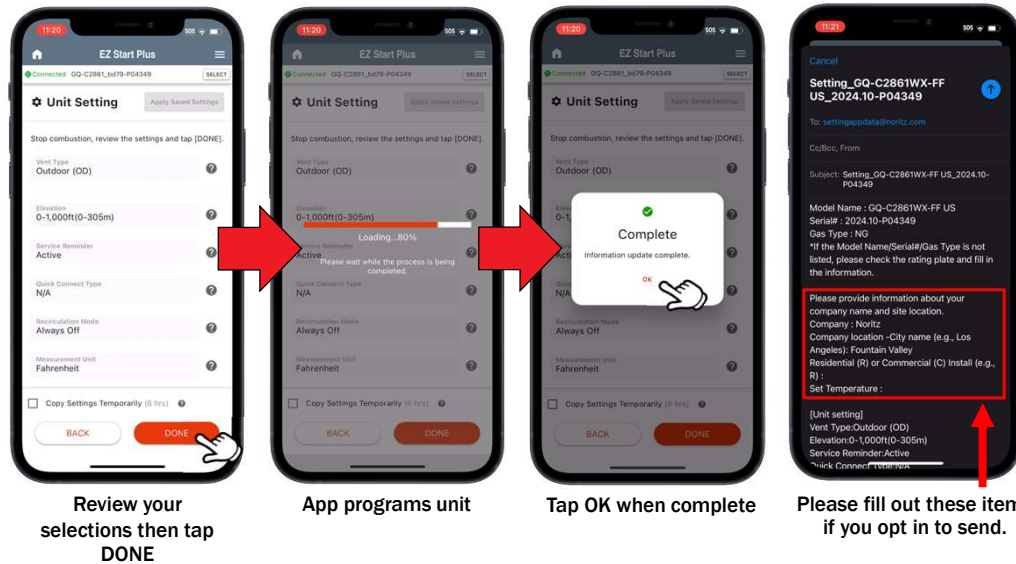
EZ START PLUS APP



55

EZ START PLUS APP

Upon completion, email app will open to allow emailing the installation settings to Noritz. This is not required, but very helpful for Customer Care.



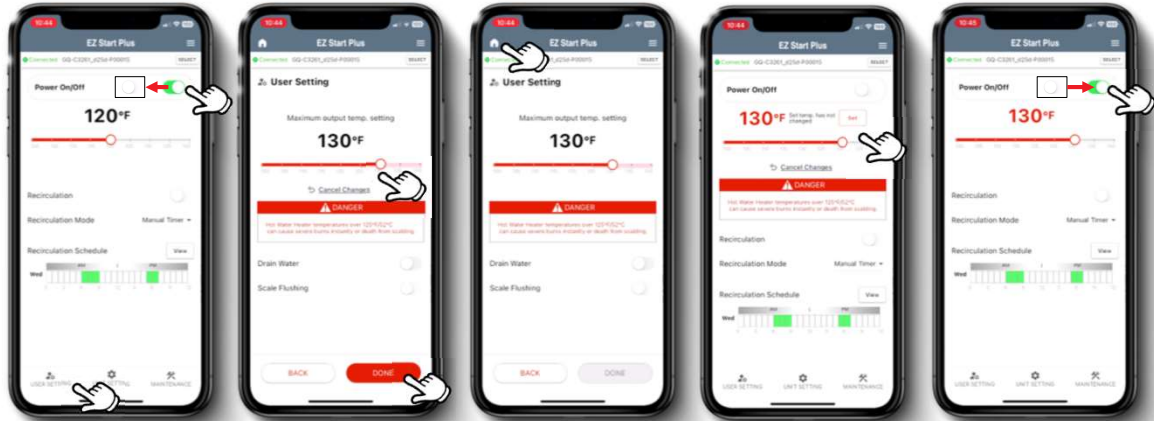
Scan Here!



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SETTING TEMP ABOVE 120

Residential units are limited to 120 by default but they can be bypassed following these steps.



Power Off then tap Unit Settings

Adjust Max Temp then tap Done

Tap Home icon to go back to home page

Adjust Temp then tap Set

Tap the power button to turn back on

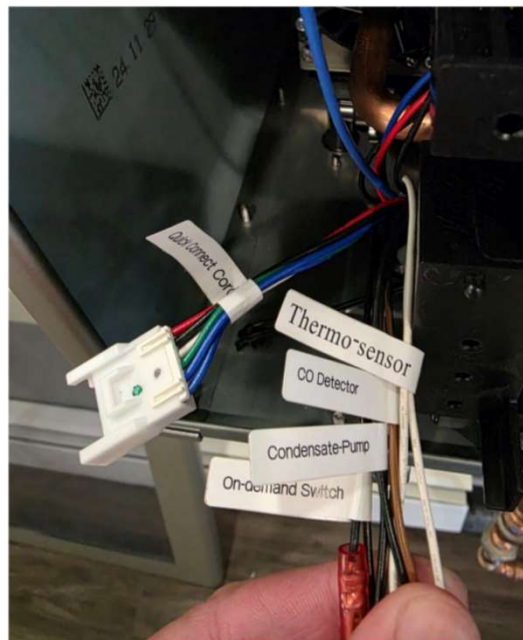
(See Installation Manual page 62 for directions using built in display)



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OPTIONAL WIRES

- Quick Connect Cord
- On-Demand Switch
- Condensate Pump
- Thermo-Sensor
- CO Detector



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NRCR PRO SPECIFIC ERROR CODES

- **Error Code 06: Low Recirculation Flow (Only Warning Indication)**
 - Check Return Line Filter.
 - Purge air in the domestic hot and return line (Dedicated Mode)
 - Check crossover valve filter (Crossover Mode)
 - Check crossover valve for correct orientation
- **Error Code 63: Recirculation Abnormality (No Recirculation Flow)**
 - Check Return Line Filter.
 - Purge air in the domestic hot and return line (Dedicated Mode)
 - Check that the “Crossover” connector is connected together
 - Check crossover valve filter (Crossover Mode)
 - Check crossover valve for correct orientation



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FILLING AND PURGING



SCAN FOR
VIDEO



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INSIDE THE NRCR PRO



- Component List
- Error Codes
- Maintenance Monitors
- Unit Settings w/ Operation Panel
- Voltage Checkpoints
- Gas Pressures



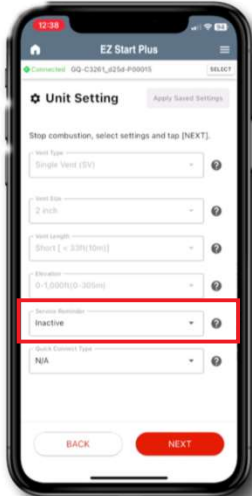
61

BASIC MAINTENANCE



62

SERVICE REMINDER



Set “Service Reminder” setting to “Active” during setup (Default is Inactive)

Heater will use the Set Temp, Average BTU Use and Combustion Time to determine when a flush should be performed.

Once the flush has been performed correctly, the service reminder code will go away.

Type of Water	Hardness Level	Treatment Device 1)	Flush Frequency 2)
Soft	0-1 gpg (0-17 mg/L)	None	None
Slightly Hard	1-3 gpg (17-51 mg/L)		
Moderately Hard	3-7 gpg (51-120 mg/L)	Scale Shield or Water Softener	Once a Year 3)
Hard	7-10 gpg (120-171 mg/L)		
Very Hard	10-12 gpg (171-200 mg/L)		
Extremely Hard	> 12 gpg (> 200 mg/L)		

- 1) When selecting a treatment device, you must consult its spec sheet and installation manual for guidelines and limitations. Not all water supplies are compatible. A water test may be required.
- 2) Install Noritz isolation valves to allow flushing.
- 3) Flushing is required if a water treatment device is not installed.

NOTE:

Water quality guidelines in the manual still need to be followed. Damage to the unit when used with water hardness over 12 gpg may not be covered by the warranty.

NOTE Damage to the water heater as a result of the items below is not covered by the Noritz America Limited Warranty

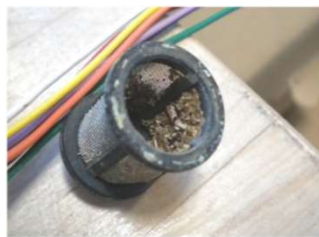
- Water in excess of 12 gpg (200 mg/L) of hardness
- Poor water quality (See the water quality list on page 12.)
- The display window displayed a “C1# (service reminder)” indicating scale build-up, but the heat exchanger has not been flushed.



POOR WATER QUALITY ISSUES

Here are some issues related to Hard Water or Poor Water Quality:

- ⚠ Scale Buildup
- ⚠ Unstable Water Temperature
- ⚠ Error Codes: 14, 16, 20, 65
- ⚠ Clogged Inlet/Recirc Filter Screen



WATER QUALITY

Water Quality Guidelines in the Installation Manual should always be followed.

If this water heater will be installed in a location where the hardness of the supply water is high, scale build-up may cause damage to the heat exchanger. Perform the suggested treatment and maintenance measures based on the water hardness level according to the below table.

Treatment Guidelines

Type of Water	Hardness Level	Treatment Device 1)	Flush Frequency 2)
Soft	0-1 gpg (0-17 mg/L)	None	None
Slightly Hard	1-3 gpg (17-51 mg/L)		
Moderately Hard	3-7 gpg (51-120 mg/L)	Scale Shield or Water Softener	Once a Year 3)
Hard	7-10 gpg (120-171 mg/L)		
Very Hard	10-12 gpg (171-200 mg/L)		
Extremely Hard	> 12 gpg (> 200 mg/L)		

- 1) When selecting a treatment device, you must consult its spec sheet and installation manual for guidelines and limitations. Not all water supplies are compatible. A water test may be required.
- 2) Install Noritz isolation valves to allow flushing.
- 3) Flushing is required if a water treatment device is not installed.



NOTE Damage to the water heater as a result of the items below is not covered by the Noritz America Limited Warranty.

- Water in excess of 12 gpg (200 mg/L) of hardness
- Poor water quality (See the water quality list on page 12.)
- The display window displayed a "C1#" (service reminder) indicating scale build-up, but the heat exchanger has not been flushed.



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DESCALING/FLUSHING

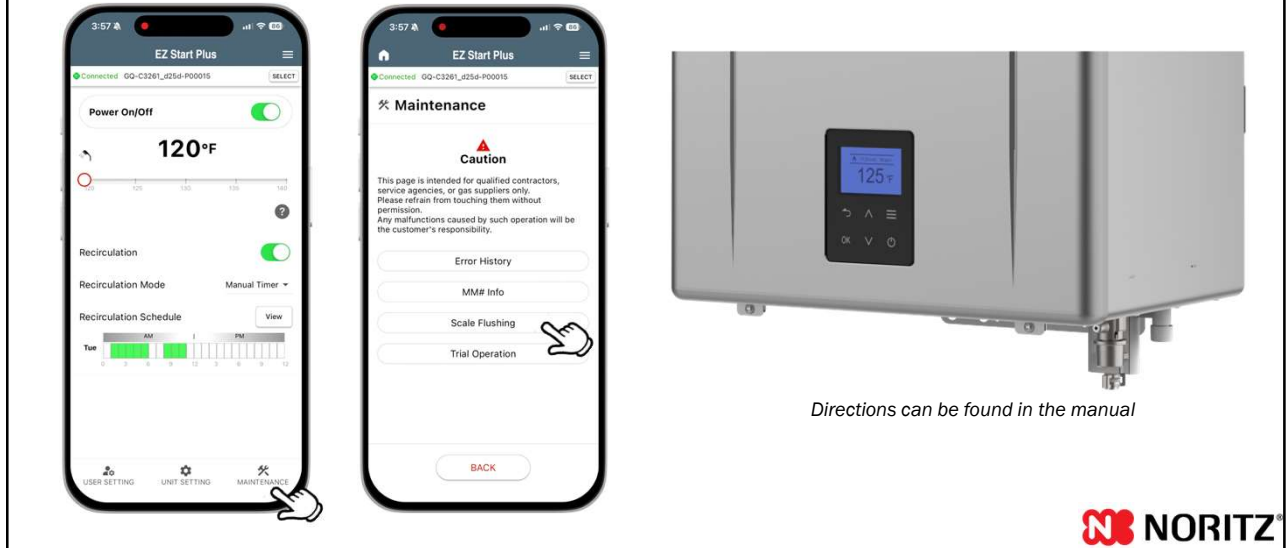
So, what do you need to perform a proper descale?



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DESCALING/FLUSHING

The flush connector is gone and descale mode is started with the EZ Start Plus App or the built in display.



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EZ START PLUS ERROR HISTORY

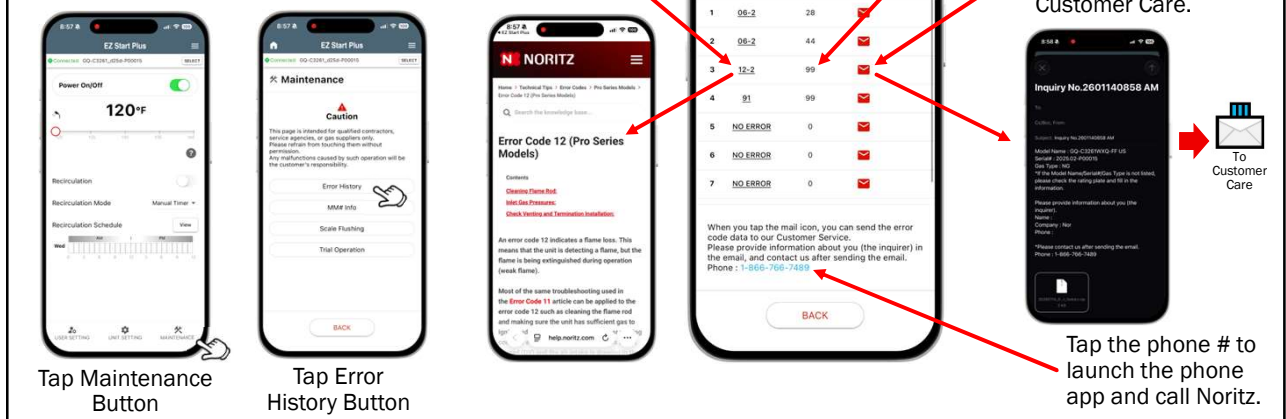


Error history can be displayed, and content can be emailed to Noritz Customer Care.

Tap on the error code to link to the Noritz web site. Detailed error code info displayed.

Shows the number of days elapsed since the error was reported.

Tap the email icon to launch the email app to send data to Noritz Customer Care.



Tap Maintenance Button

Tap Error History Button

Tap the phone # to launch the phone app and call Noritz.

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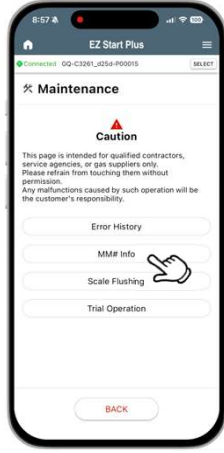
EZ START PLUS MAINT MONITOR



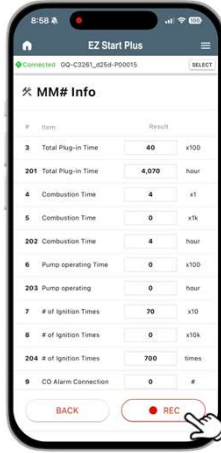
You can check and record up to 2 minutes of Maintenance Monitor data and send to Noritz Customer Care.



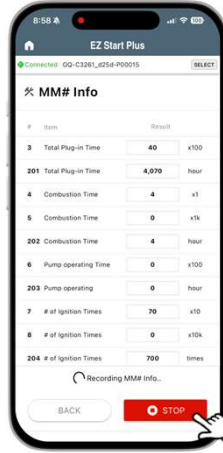
Tap Maintenance Button



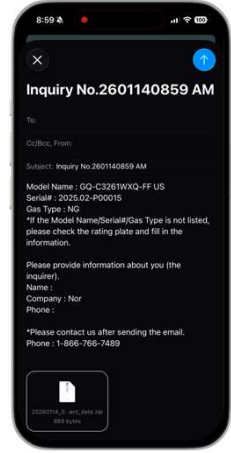
Tap MM# Info Button



Tap REC Button



Tap STOP Button or 2 minutes passed



Auto launches email after recording ended

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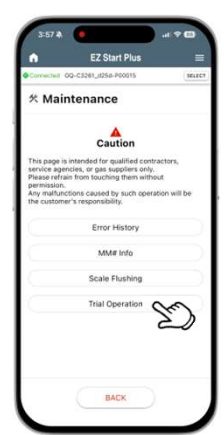
TRIAL OPERATION



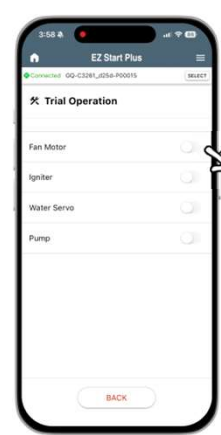
Depending on the unit you can do a trial operation on: Fan Motor, Igniter, Water Servo, Pump (NRCR only), or Bypass Servo (CDV only)



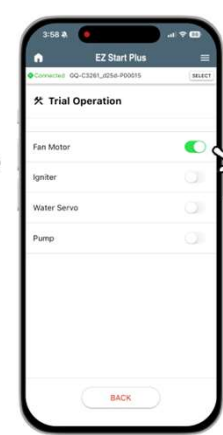
Tap Maintenance Button



Tap Trial Operation Button



Select Part for Trial Operation



Tap Toggle Button to turn ON



Tap Toggle Button to turn OFF

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COMMONLY USED MAINT MONITORS

Maintenance Monitors (MM) tell you exactly what the unit is doing. They should be used in any situation regarding flow rates, temperatures and verifying what Recirculation Mode the unit is set to.

Error Code history is also found in Maintenance Monitor mode.

MM	Item	Data		Minimum Value for Indication
		Multiplier	Unit	
03	Total Plug-in Time	x100	Hour	100 Hours
04	Total Combustion Time	x1	Hour	1 Hour
05	Total Combustion Time	x1000	Hour	1000 Hours
06	Total Pump Operating Time	x100	Hour	100 Hours
07	Number of Ignition Times	x10	Times	10 Times
08	Number of Ignition Times	x10000	Times	10000 Times
14	Total Flow Rate	x0.1	0.1gpm	0.1gpm
17	Recirculation Flow Rate	x0.1	0.1gpm	
30	Cold Water Thermistor	x1	F (C option)	1 F (0.5 C)
31	Hot Outlet Thermistor		F (C option)	1 F (0.5 C)
32	Heat Exchanger Thermistor		F (C option)	1 F (0.5 C)
86	Recirculation Mode	Dedicated Mode	Crossover Mode	
	Auto Recirc (Default)	11	21	
	Manual Timer Recirc	12	22	
	Recirc Always ON	13	23	
	Recirc Always OFF	14	24	
	On-Demand (Title 24) Mode	15	25	
91	Error Code History 1	Most Recent Error Code		
92	Error Code History 2	Next Most Recent Error Code		
93	Error Code History 3	Next Most Recent Error Code		
94	Error Code History 4	Next Most Recent Error Code		
95	Error Code History 5	Next Most Recent Error Code		
96	Error Code History 6	Next Most Recent Error Code		
97	Error Code History 7	Next Most Recent Error Code		
98	Error Code History 8	Next Most Recent Error Code		



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HELPFUL CONTACT INFO

866-7NORITZ (866-766-7489)



EZ Start Plus App



Gas Conversion



SUPPORT.NORITZ.COM



NORITZ.COM/TECHTIPS



HELP.NORITZ.COM



TRAINING.NORITZ.COM



YOUTUBE.COM/
NORITZAMERICA



PROCARD.NORITZ.COM



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THANK YOU

