



Appliance Communication Module (ACM)

Owner's Manual and Installation Instructions

DRM1E3

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IMPORTANT SAFETY INSTRUCTIONS

- **Before you begin** – Read these instructions completely and carefully.
- **For your safety** - Read and observe all warning and cautions.
- **IMPORTANT** – Save these instructions for local inspector’s use. Observe all governing codes and ordinances.
- **Note to Installer** – Be sure to leave these instructions with the Consumer.
- **Note to Consumer** – Keep these instructions for future reference.
- **Completion time** – about 1 hour

WARNING: **RISK OF ELECTRICAL SHOCK**

- Do not drill into electrical wiring inside walls or cabinets when drilling holes.

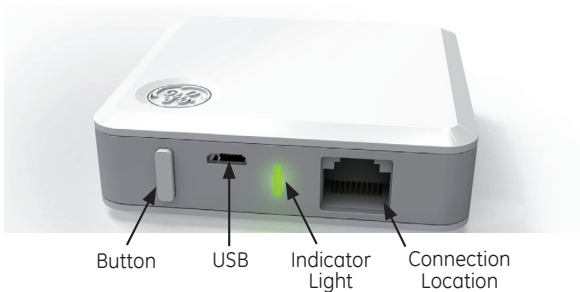
Notice:

- The ACM shall only be used for its intended purpose as described in this Owner’s Manual.
- Never force a connector into the Ethernet port. If the connector does not attach with a reasonable amount of force, they do not match. Verify the connector matches the port and that it is orientated correctly.
- Extended exposure to high temperature may cause premature failure of electronic components. Do not place the ACM on the back of a clothes dryer or range.
- The only way to turn off power to this ACM is to unplug it from the appliance.

SAVE THESE INSTRUCTIONS

Operating Instructions

FEATURES



ACM

BUTTON

The button is used for ACM control.

USB

The USB connection is used for factory programming and diagnostics. There are no consumer accessible features provided by the USB connection.

INDICATOR LIGHT

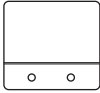
The indicator light blinks at different rates to indicate network status or the current utility energy value.

CONNECTION LOCATION

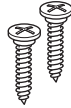
This is the location for inserting the interconnect cable on the module. The other end is attached to the appliance. This connection is not designed to be used with a computer or network cable.

Installation Instructions

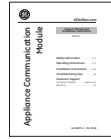
PARTS SUPPLIED



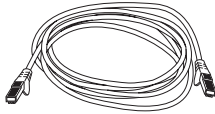
Mounting Bracket



2 Mounting Screws



Owner's Manual and
Installation Instructions



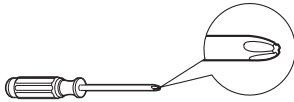
6' Interconnect Cable



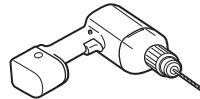
1' Interconnect Cable

NOTE: Use either 1' or 6' Interconnect cable based on how close to appliance connector you want to place the module.

TOOLS YOU MAY NEED For Wall or Cabinet Mounting Only:



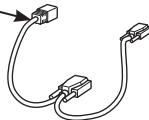
Phillips-Head Screwdriver



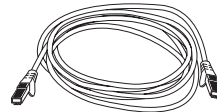
Drill and Bits

OTHER PARTS YOU MAY NEED

For Interconnect
Cable



Profile™ Laundry "Y" Adaptor DR07X10003



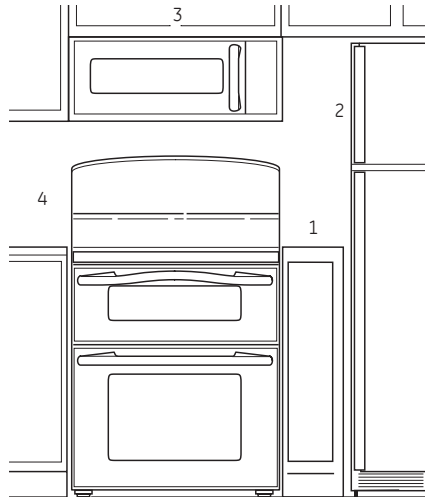
10' Cable Extension Kit
DR07X10010

NOTE: If attaching to a front load Profile™ laundry pair adaptor DR07X10003 sold separately is necessary.

Installation Instructions

1 SELECT LOCATION TO INSTALL THE ACM.

1. The ACM can be placed on the cabinet near the appliance.
 2. The ACM can be placed on the side of the appliance. The magnetic feet will stick to most appliances.
 3. The ACM can be placed inside of non-metallic cabinets.
 4. Using the supplied bracket, the module can be mounted to the inside of the cabinet or on the wall.
- Read the instructions that accompany the appliance for specific recommendations.



Installation Instructions

1 SELECT LOCATION TO INSTALL THE ACM (continues):

NOTE: If module needs to be placed farther from appliance extension kit DR07X10010 sold separately is available.

To mount inside cabinets, drill 3/4" diameter holes in inconspicuous locations for routing the interconnect cable. For built-in appliances, see the template with the appliance for precise locations.

⚠ WARNING: RISK OF ELECTRICAL SHOCK - Do not drill into electrical wiring inside walls or cabinets when drilling holes.

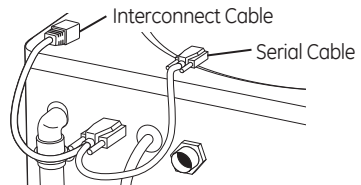
Tip: For dishwasher installation, it is easiest to route the interconnect cable at the time of installation through the same hole as the drain line. Locate the module under the sink.

NOTE: To avoid water damage to the module do not place near washer hose connections or under sink near water connections.

NOTE: To avoid interference, run interconnect cable through a separate hole than the power cable to the appliance.

2 ATTACH PROFILE™ LAUNDRY "Y" ADAPTOR (DR07X10003)(WASHER OR DRYER ONLY)

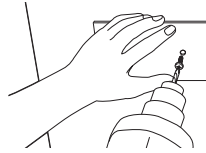
For washer/dryer pairs, attach the "Y" adaptor cable to the serial port on the back of either the washer or dryer. Attach the serial cable (supplied with the dryer) to the "Y" adaptor. Attach the other end of the serial cable to the remaining appliance. The third leg of the "Y" adaptor has a socket for installing the interconnect cable.



Installation Instructions

3 ATTACH MOUNTING BRACKET (OPTIONAL)

If using the mounting bracket, attach to the cabinet or wall with the screws provided. Wall anchors (not included) may be used for mounting to drywall, tile, concrete or other surfaces.



4 ATTACH INTERCONNECT CABLE

1) Attach one end of the interconnect cable to the appliance. (Electric ranges are shipped from the factory with the cable connected.) See the instructions on the appliance for the exact location. Either a long or a short cable may be used to work with your specific installation.

If a longer cable is desired, you will need to purchase a standard CAT5 patch cable or use GE Kit DR07X10010. The maximum cable length should not exceed 20'.

NOTE: Do not use cables labeled "Crossover." These will mix the signals and cause the module to not operate properly.

2) Attach the other end to the interconnect cable to the ACM at the connector location on the back. The indicator light will flash at a rate of 1 second on, 1 second off.



Installation Instructions

4 ATTACH INTERCONNECT CABLE (continues)

- 3) Set the ACM on the countertop or attach it to the side of the appliance or bracket.
- 4) Press the button on the Appliance Communication Module to initiate the network joining process. The indicator light will gradually brighten and then dim repeatedly until joined.

Note: In order for the Appliance Communication Module to join either the Smart Meter or Nucleus™ Energy Manager network, the “Install Code” and “MAC Address” of the module are required. This information can be found on the rating plate label on the bottom of the module.

If joining a Smart Meter network, please provide this information to your utility. If joining a Nucleus™ Energy Manager, please enter this information when prompted by the installation program.

When the Appliance Communication Module successfully joins the Smart Meter or Nucleus™ Energy Manager network, the indicator light will come on for a full second and then flash 1 – 4 flashes indicating the utility energy rate. One flash indicates a low rate (or no rate), two flashes indicate a medium rate, three flashes indicate a high rate, and four flashes indicate a critical rate. The number of flashes you see depends on your specific utility rate plan.

Note if joining Nucleus™: If after several minutes the ACM has not located a rate, the appliance may be blocking the RF signal from reaching the ACM. Try moving the ACM to a different location and try again.

Note if joining Smart Meter: This may take several hours depending on how long it takes your utility to turn your electric meter “ON” for joining. If module light continues to gradually brighten and dim repeatedly contact your utility.

Installation Instructions

CARE AND CLEANING

Wipe the ACM surface with a clean, damp cloth as needed. DO NOT submerge or hold under running water.

TO DISCONNECT THE APPLIANCE COMMUNICATION MODULE

You may need to disconnect the Appliance Communication Module from your Nucleus or Smart Meter if there are issues during joining, or if one of them gets replaced. To disconnect the ACM do the following:

1. Disconnect the interconnect cable from ACM.
2. Wait 5 seconds.
3. Plug cable back in.
4. Press the button on the module 5 times rapidly.

Record your MAC ID and Install Code here for reference:

MAC ID: D828 C9 _ _ _ _ _

INSTALL CODE: _ _ _ _ _

Troubleshooting Tips



Troubleshooting Tips

Save time and money! Review the charts below first and you may not need to call for service.

Problem	Possible Causes	What To Do
<i>Indicator Light not lit</i>	Normal Operation	The indicator light is designed to go dark after 5 minutes to reduce power consumption and to avoid attracting attention to the module. Pressing the button will cause the indicator light to flash indicating the electric rate. One flash is a low rate and 4 flashes is a high rate. If no light after pressing button see next step.
	There is no power to ACM.	<ul style="list-style-type: none">• Check that the interconnect cable is connected to both the ACM and the appliance. Try using the other interconnect cable provided, or swap the ACM with a different one to determine if it is a cable or ACM issue.• Verify the appliance is plugged in and has power. The Appliance Communication Module gets its power from the appliance.
<i>Unable to join network</i>	Multiple causes	<ul style="list-style-type: none">• Review instructions provided by the utility or the Nucleus™Energy Manager.• Try to relocate ACM so it is on the same side of the appliance as the Nucleus or Smart Meter.
<i>Indicator Light gradually dims and comes back on</i>	Software Problem	Call for service

Troubleshooting Tips

Problem	Possible Causes	What To Do
<i>Module blinks slowly (1 sec on; 1 sec off) after having joined network</i>	Module has lost communication with Nucleus or Smart Meter	<ul style="list-style-type: none">• Disconnect interconnect cable, wait 5 seconds, reconnect interconnect cable. If that is unsuccessful, review the Nucleus screens for more troubleshooting information or contact your utility if connected directly to a Smart Meter.• Try to relocate module so it is on the same side of the appliance as the Nucleus.

Notes

Regulatory Information

REGULATORY INFORMATION

FCC/IC Compliance Statement

This device complies with Part 15 of the FCC Rules and Industry Canada RSS-210. Operation is subject to the following two conditions. (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment or devices.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult a dealer or experienced radio/TV technician for assistance.

FCC CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure - This device is only authorized for use in a mobile application. At least 20 cm of separation distance between the device and the user's body must be maintained at all times.

Limited Warranty for Appliance Communication Module

WARRANTY

Your use of the Appliance Communicating Module ("Hardware"), online product registration of the Hardware, or your return of the enclosed Registration Card acknowledges that you have read and agree to the terms of this warranty agreement. GE's warranty obligations for this Hardware are limited to the terms set forth herein.

GE warrants that this Hardware shall be free of defects in materials and workmanship under normal use for a period of one (1) year from the date of original retail purchase ("Warranty Period"). If a Hardware defect arises and a valid claim is received within the Warranty Period, your sole and exclusive remedy will be for GE, in its sole discretion and to the extent permitted by law, to (1) repair the Hardware defect at no charge, using new parts or refurbished parts that are equivalent to new in performance and reliability, (2) exchange the Hardware with Hardware that is new or refurbished that is equivalent to new in performance and reliability and is at least functionally equivalent to the original Hardware, or (3) refund the purchase price of the Hardware. Any repaired or replacement Hardware will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer. In order to receive the remedy set forth above, you must contact GE during the Warranty Period at 800-220-6899 and provide the model number, serial number, and date of purchase of the Hardware. Upon GE's determination that the Hardware should be returned to GE, return the Hardware and include with each returned Hardware (i) a copy of your original purchase invoice or receipt to verify your warranty; (ii) your name, address, and telephone number; and (iii) the Return Materials Authorization (RMA) number. You are responsible for properly packaging and shipping the Hardware to GE at your cost and risk.

In addition to the foregoing Hardware warranty, for a period of ninety (90) days from the date of original retail purchase, GE shall also provide telephone (800-220-6899) and web chat (www.gebrillion.com) technical support assistance.

Please note that the above warranty obligations of GE do not include any in-home installation or service.

Important: Do not open the Hardware. Opening the Hardware may cause damage that is not covered by this warranty. Only GE or a GE authorized service provider should perform service on this Hardware. TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL, WRITTEN, STATUTORY, EXPRESS OR IMPLIED, AS PERMITTED BY APPLICABLE LAW, GE SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF GE CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE DURATION OF THE EXPRESS WARRANTY AND TO THE REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY GE. No oral or written information or advice given by GE or a GE-authorized representative shall modify or extend this warranty. If any term is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired.

Limited Warranty for Appliance Communication Module

EXCLUSION OF IMPLIED WARRANTIES—This warranty applies only to the Hardware manufactured by or for GE that can be identified by the “GE” trademark, trade name, or logo affixed to it. This warranty does not apply to any non-GE Hardware or any software, even if packaged or sold with the GE Hardware. Software distributed by GE with or without the GE brand name (including, but not limited to system software) is not covered under this warranty. Refer to the End User Licensing Agreement accompanying the software for details of your rights with respect to its use.

GE does not warrant that the operation of the Hardware will be uninterrupted or error-free. GE is not responsible for damage arising from failure to follow instructions relating to the Hardware’s use.

This warranty does not apply: (a) to consumable parts, such as batteries, or protective coatings designed to diminish over time unless failure has occurred due to a defect in materials or workmanship; (b) to cosmetic damage; (c) to damage caused by use with non-GE products; (d) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external causes; (e) to damage caused by operating the Hardware outside the permitted or intended uses described by GE; (f) to damage caused by service (including upgrades and expansions) not performed by GE, a GE-authorized service provider, or an authorized representative of GE; (g) to a Hardware or a part that has been modified to alter functionality or capability without the written permission of GE; (h) to defects caused by normal wear and tear or otherwise due to the normal aging of the Hardware; (i) if any GE serial number has been removed or defaced; or (j) to damage caused by or via the network on which the Hardware is used including, but not limited to, any online intrusion or attack.

EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, GE IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE OR ACTUAL OR ANTICIPATED PROFITS OR SAVINGS; LOSS OF, DAMAGE TO, COMPROMISE OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY AND ANY COSTS OF RECOVERING, PROGRAMMING OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH THE GE PRODUCT. THE FOREGOING LIMITATION SHALL NOT APPLY TO DEATH OR PERSONAL INJURY CLAIMS, OR ANY STATUTORY LIABILITY FOR INTENTIONAL AND GROSS NEGLIGENT ACTS AND/OR OMISSION.

Warrantor: General Electric Company, Louisville, KY 40225

Consumer Support.



GE Appliances Website

GEbrillion.com

Have a question or need assistance with your Appliance Communication Module? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals and order parts.



Technical Support

GEbrillion.com

Expert GE technical support is only one step away. Call 800.220.6899 during normal business hours to speak with an agent.



Contact Us

GEbrillion.com

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to:

General Manager, Customer Relations
GE Appliances, Appliance Park
Louisville, KY 40225



Register Your Appliance

GEbrillion.com

Register your Appliance Communication Module by filling out and mailing in the pre-printed registration card included in the packing material. Timely registration will allow for enhanced communication and prompt service under the terms of your warranty should the need arise.