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## ICM Controls ICM203

# ICM Controls ICM203 Delay on Break Timer Instruction Manual

## 1. INTRODUCTION

The ICM Controls ICM203 is a universal voltage delay on break timer designed to protect compressors from damage caused by rapid short cycling. This anti-short cycle relay ensures that the compressor remains off for a set period after power interruption, allowing system pressures to equalize before restarting. It operates across a wide voltage range and features an adjustable delay setting.



Front view of the ICM Controls ICM203 Delay on Break Timer, showing the adjustable dial, wiring terminals, and product labeling.

## 2. KEY FEATURES

- **Compressor Protection:** Prevents damage from rapid short cycling with built-in lockout safety.
- **Adjustable Delay:** Set custom delay time from 1.8 to 600 seconds for flexible system control.
- **Wide Voltage Range:** Operates on 18–240 VAC, suitable for a broad range of HVAC and refrigeration applications.
- **Simple Installation:** Easy 2-wire hookup for quick and reliable setup.
- **Durable and Reliable:** Solid-state design ensures long-lasting performance in demanding environments.

### 3. SPECIFICATIONS

Specification	Value
Model Number	ICM203
Input Voltage	18–240 VAC
Adjustable Delay	1.8–600 Seconds (0.03–10 Minutes)
Load Current	1.5 Amp Max
Product Dimensions	2"D x 2"W x 1.25"H (5.08 cm x 5.08 cm x 3.18 cm)
Item Weight	1.6 ounces (45.36 grams)
Number of Settings	1 (adjustable dial)
Manufacturer	ICM Controls



Side view of the ICM Controls ICM203 Delay on Break Timer, illustrating its depth and mounting hole.

## 4. INSTALLATION

**Safety Warning:** Installation of this device involves working with electrical components and potentially high voltages. To prevent electric shock or damage to equipment, installation should only be performed by a qualified professional or person familiar with HVAC electrical systems. Always disconnect power to the unit before beginning installation.



Close-up of the ICM Controls ICM203 Delay on Break Timer being wired, showing the red jumper wire for 120/240 VAC selection.

### General Installation Steps:

1. **Disconnect Power:** Ensure all power to the HVAC unit or compressor is completely disconnected at the circuit breaker.
2. **Locate Compressor Contactor:** Identify the low voltage control circuit for the compressor contactor.
3. **Wire Connection:** The ICM203 features a simple 2-wire hookup. Connect the two wires of the ICM203 in series with the 24 VAC control circuit that energizes the compressor contactor coil. This means the timer will interrupt the control voltage to the contactor.
4. **Voltage Selection (if applicable):** The ICM203 is universal voltage. For 120/240 VAC applications, ensure the red jumper wire is correctly configured or cut as indicated on the device label, if necessary for your specific voltage. Refer to the device's printed instructions for precise wiring diagrams.
5. **Mounting:** Securely mount the ICM203 in a suitable location within the control panel or near the compressor, ensuring it is protected from environmental elements.
6. **Restore Power:** Once wiring is complete and verified, restore power to the unit.



Hands installing the ICM Controls ICM203 Delay on Break Timer into an HVAC unit, showing wiring connections.

This device requires installation by a professional or qualified person due to electrical safety considerations.

## 5. OPERATION

The ICM203 operates automatically once installed. Its primary function is to enforce a delay before the compressor can restart after a power interruption or a call for cooling is removed and then immediately reapplied. This delay protects the compressor from short cycling.

### Adjusting the Delay Time:

The delay time is adjustable using the red dial located on the front of the unit. The dial is marked in minutes, typically ranging from 0.03 minutes (approximately 1.8 seconds) to 10 minutes (600 seconds). To adjust the delay:

1. **Locate the Dial:** Find the red adjustment dial on the face of the ICM203.
2. **Rotate to Desired Setting:** Carefully rotate the dial using a small screwdriver or similar tool to align the indicator with the desired delay time in minutes. Common settings are often between 3 to 5 minutes to allow sufficient pressure equalization.
3. **Verify Operation:** After setting, observe the system's behavior to ensure the delay functions as intended before the compressor restarts.

## 6. MAINTENANCE

The ICM Controls ICM203 Delay on Break Timer is a solid-state device designed for reliable, maintenance-free operation. No routine maintenance is required. Periodically, ensure that electrical connections remain secure and free from corrosion. If the unit appears damaged or is not functioning correctly, it should be inspected by a qualified technician.

## 7. TROUBLESHOOTING

If the ICM203 is not functioning as expected, consider the following:

- **No Delay:** Verify the dial is set to a non-zero delay time. Ensure the unit is correctly wired in series with the compressor contactor's control circuit.
- **Compressor Not Starting:** Check for proper power supply to the ICM203. Ensure all wiring connections are secure. If the delay period has elapsed and the compressor still does not start, investigate other components of the HVAC system.
- **Incorrect Delay Time:** Re-adjust the dial to the desired setting. Note that the adjustment at the very low end of the scale can be sensitive.
- **Unit Damage:** Visually inspect the ICM203 for any signs of physical damage or burning. If damaged, replace the unit.

For persistent issues, it is recommended to consult a qualified HVAC technician.

## 8. WARRANTY INFORMATION

ICM Controls products are known for their quality and reliability. The ICM203 is manufactured in the USA and comes with a warranty designed to ensure customer satisfaction. For specific details regarding the warranty period and terms, please refer to the official ICM Controls website or contact technical support.

ICM Controls products are proudly Made in America and backed by a strong industry warranty.

## 9. TECHNICAL SUPPORT





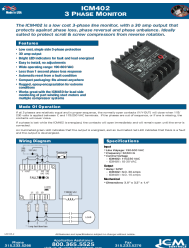
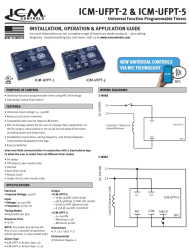
For technical assistance, installation questions, or troubleshooting support, please contact ICM Controls Technical Support.

Contact ICM Controls Technical Support for assistance.

**Phone:** 1-800-365-5525, Option 8

**Hours:** Monday - Friday, 8:00 AM - 5:00 PM EST

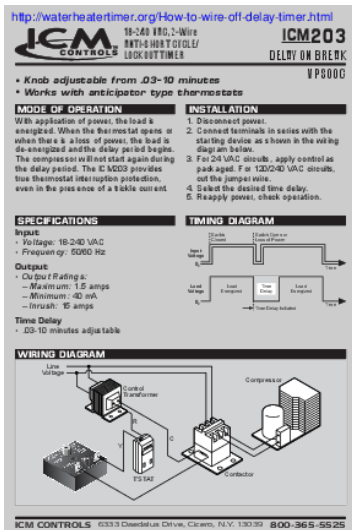
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	<p><a href="#"><u>ICM450A &amp; ICM450A PLUS+ Programmable 3-Phase Line Voltage Monitors Installation and Operation Guide</u></a></p> <p>This guide provides detailed information on the installation, operation, and specifications of the ICM450A and ICM450A PLUS+ programmable 3-phase line voltage monitors. It covers features such as phase unbalance protection, over/under voltage protection, delay on break timer, and Modbus communication for the PLUS+ model. Troubleshooting tips and a one-year limited warranty are also included.</p>
	<p><a href="#"><u>ICM493 Programmable Single-Phase Voltage Monitor with Surge Protection Installation Guide</u></a></p> <p>Detailed guide for installing, operating, and applying the ICM493 Programmable Single-Phase Voltage Monitor with Surge Protection. Covers safety, installation steps, calibration, specifications, and button functions for HVAC and industrial applications.</p>
	<p><a href="#"><u>ICM870 9A/16A Soft Start Installation and Operation Guide</u></a></p> <p>Detailed installation, operation, and application guide for the ICM870 9A/16A soft start controller, including specifications, features, fault codes, and wiring diagram. Designed for HVAC, marine, and RV applications.</p>
	<p><a href="#"><u>ICM870-32A Soft Start Controller: Installation and Operation Guide</u></a></p> <p>Comprehensive guide to the ICM870-32A soft start motor controller from ICM Controls. Learn about its features, specifications, installation, operation, and troubleshooting for HVAC, RV, and marine applications.</p>
	<p><a href="#"><u>ICM402 3-Phase Monitor: Features, Specifications, and Wiring</u></a></p> <p>Detailed information on the ICM402 3-Phase Monitor, including its features, technical specifications, and wiring diagrams. This device protects against phase loss, phase reversal, and phase unbalance, ideal for compressors.</p>
	<p><a href="#"><u>ICM-UFPT-2 &amp; ICM-UFPT-5 Universal Function Programmable Timers Installation &amp; Operation Guide</u></a></p> <p>Comprehensive installation, operation, and application guide for ICM Controls ICM-UFPT-2 and ICM-UFPT-5 Universal Function Programmable Timers featuring NFC technology for easy setup and programming.</p>





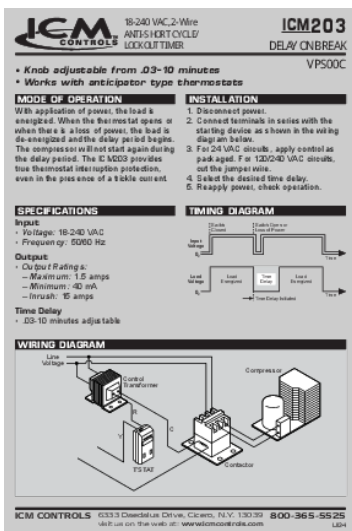




[pdf] User Manual Specifications Diagram

LI1034 04 14 Final ICM 203 manual waterheatertimer.org

<http://waterheatertimer.org/How-to-wire-off-delay-timer.html> 18-240 VAC, 2-Wire ANTI-SHORT CYCLE/ LOCKOUT TIMER **ICM203** DELAY ON BREAK Knob adjustable from .03-10 minutes Works with anticipator type thermostats VPS00C MODE OF OPERATION With application of power, the load is energized. When the... lang:en score:27 filesize: 128.98 K page\_count: 1 document date: 2004-05-04



[pdf] Specifications Diagram

ICM™ ICM203 Insko Distributing UNI 27502 Instal insco ASSETS DOCUMENTS ITEMS EN ||| 18-240 VAC, 2-Wire ANTI-SHORT CYCLE/ LOCKOUT TIMER **ICM203** DELAY ON BREAK Knob adjustable from .03-10 minutes Works with anticipator type thermostats VPS00C MODE OF OPERATION With application of power, the load is energized. When the thermostat opens or when there is a loss of power, the load i... lang:en score:25 filesize: 132.32 K page\_count: 0 document date: 0000-00-00



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Catalogs ICM Controls LIC039 2 Electrical 08 24 web icmcontrols 2024 ||| Electrical Market Engineering. Manufacturing. Innovation. ICM Controls is a leader in the manufact ... 7 ICM104..... 7 ICM175..... 8 **ICM203**..... 8 **ICM203F**..... 8 ICM25... lang:en score:25 filesize: 4.82 M page\_count: 24 document date: 2024-08-05



### [ICM Controls HVAC-R Product Catalog and Electronic Controls](#)

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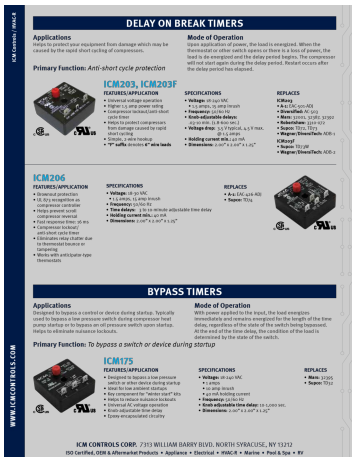
HVAC R Market 6 янв 2025 г — From concept to prototype production The ICM Controls manufacturing plant located in North Syracuse New York is one of the most Catalog Misc sidharvey documents |||

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ICM175..... 10 **ICM203**..... 10

**ICM203F**..... 10 ICM..

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[pdf] Specifications Dimension Guide

ICM Controls HVAC R DELAY ON BREAK TIMERS ICMCONTROLS COM All features and specifications are subject to change without notice PHONE 1 800 365 5525 FAX 315 233 5276 WEB FEATURES

APPLICATION ly precise digital timing High Time Delay Relays icmcontrols 2022 02 |||

ICM Controls / HVAC-R DELAY ON BREAK TIMERS Applications Helps to protect your equipment from dama ... r will not start again during the delay period. Restart occurs after the delay period has elapsed. **ICM203, ICM203F**

FEATURES/APPLICATION Universal voltage operation Higher 1.5 amp power rating Comp...

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[pdf] Specifications Dimension Guide

BYPASS TIMERS DELAY ON BREAK Supco TD32 ICM175 Designed to bypass a control or device during startup Typically used low pressure switch compressor heat pump ICMControls 00211 12 CAT media distributordatasolutions 4855 xlsx trimble aff08100b4159372551cb485b10c711468d3ac1b |||

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FEATURES/APPLICATION Universal voltage operation Higher 1.5 amp power rating Comp...

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[pdf] Instructions Specifications Diagram

Sell Sheet Edmondson Supply ICM Controls UFPT 2 Universal Function Programmable Timer ICMUFPT 5 LIS509 icmcontrols 2022 12 |||

A P P L I C A T I O N S : UFPT-2 UFPT-5 Universal Function Programmable Timers Scan to see a full ... rt Cycle Repeat Cycle Single shot 5-wire model only REPLACES ICM102, ICM102F, ICM103, ICM104, **ICM203, ICM203F** ICM206 and over 85 legacy ICM timers A-1, Diversified, Gemline, Ice-O-Matic, Mars...

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18-240 VAC, 2-Wire  
ANTI-SHORT CYCLE/  
LOCKOUT TIMER

**ICM203**  
DELAY ON BREAK  
VPS00C

• Knob adjustable from .03-10 minutes

• Works with anticipator type thermostats

**MODE OF OPERATION**

With application of power, the load is energized. When the thermostat opens or when there is a loss of power, the load is de-energized and the delay period begins. The compressor will not start again during the delay period. The ICM203 provides true thermal interruption protection, even in the presence of a table current.

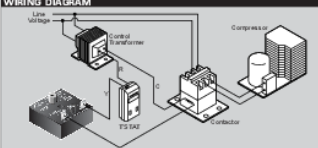
**SPECIFICATIONS**

**Input**  
• Voltage: 18-240 VAC  
• Frequency: 50/60 Hz

**Output**  
• Output Rating is:  
– Maximum: 1.5 amps  
– Minimum: 40 mA  
– Inrush: 15 amps

**Time Delay**  
• .03-10 minutes adjustable

**WIRING DIAGRAM**



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Ask us on the web at: [www.icmcontrols.com](http://www.icmcontrols.com) 800-365-5525

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18-240 VAC, 2-Wire ANTI-SHORT CYCLE/ LOCKOUT TIMER **ICM203** DELAY ON BREAK Knob adjustable from .03-10 minutes Works with anticipator type thermostats VPS00C MODE OF OPERATION With application of power, the load is energized. When the thermostat opens or when there is a loss of power, the load i...  
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• .03-10 minutes adjustable

**WIRING DIAGRAM**



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ICM203F Time Delay Relay siglers mw link id 8591 |||

18-240 VAC, 2-Wire ANTI-SHORT CYCLE/ LOCKOUT TIMER **ICM203** DELAY ON BREAK Knob adjustable from .03-10 minutes Works with anticipator type thermostats VPS00C MODE OF OPERATION With application of power, the load is energized. When the thermostat opens or when there is a loss of power, the load i...  
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ICM-UFPT-2 & ICM-UFPT-5 Cross Reference			
The ICM UFPT 2 and ICM UFPT 5 replace all listed models in the table below.			
MANUFACTURER	PART NUMBER	MANUFACTURER	PART NUMBER
ICM	ICM100	ICM CONTROLS	ICM100
ICM	ICM101	ICM CONTROLS	ICM101
ICM	ICM102	ICM CONTROLS	ICM102
ICM	ICM103	ICM CONTROLS	ICM103
ICM	ICM104	ICM CONTROLS	ICM104
ICM	ICM105	ICM CONTROLS	ICM105
ICM	ICM150	ICM CONTROLS	ICM150
ICM	ICM175	ICM CONTROLS	ICM175
ICM	ICM200	ICM CONTROLS	ICM200
ICM	ICM201	ICM CONTROLS	ICM201
ICM	ICM203	ICM CONTROLS	ICM203
ICM	ICM204	ICM CONTROLS	ICM204
ICM	ICM205	ICM CONTROLS	ICM205
ICM	ICM206	ICM CONTROLS	ICM206
ICM	ICM207	ICM CONTROLS	ICM207
ICM	ICM208	ICM CONTROLS	ICM208
ICM	ICM209	ICM CONTROLS	ICM209
ICM	ICM210	ICM CONTROLS	ICM210
ICM	ICM211	ICM CONTROLS	ICM211
ICM	ICM212	ICM CONTROLS	ICM212
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ICM	ICM300	ICM CONTROLS	ICM300

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ICM UFPT 5 Controls LIAF333 2 XRef icmcontrols 2022 12 |||

ICM-UFPT-2 ICM-UFPT-5 Cross Reference The ICM-UFPT-2 and ICM-UFPT-5 replace all listed models in ... OLS ICM CONTROLS PART NUMBER ICM100 ICM101 ICM102 ICM103 ICM104 ICM105 ICM150 ICM175 ICM200 ICM201 **ICM203** ICM204 ICM205 ICM206 ICM207 ICM208 ICM209 ICM210 ICM211 ICM212 ICM251 ICM253 ICM254 ICM255 IC...

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Liquid Tight Connectors Two Piece Home Marks Supply 2 alltemp ca 3 Whips Part Size Length Max Amp Rating Gauge 11 4500 1 4 39 60 10 6500 6 6524 6750 100 8\*\* \* 24 exposed wire each end Rheem Ruud Special \*\* Ground Alltemp ICM102 Catalog markssupply ASSETS DOCUMENTS ITEMS EN |||

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Liquid Tight Connectors - One Piece UL cUL listed Applications: Indoor or outdoor use OEM equi ... Impedance relays series 84 and 93 Anti-Short Cycle Protection Part # Features Applications 24-**ICM203** Universal voltage operation. Higher 1.5 amp power rating. Compressor lockout/ anti-short ...

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American Standard Seasonal Buy in Program Marks Supply Trane In 4 opportunity expires December 31 2012 Place qualifying order now to lock your pricing until Feb 28th 2013 s PART DESCRIPTION PRIE KIT03033 Ignitor for Precedent and Voyager packaged units \$47 68 IGN00023 HSI XE80 XE90 \$25 86 SWT01258 Catalog markssupply ca ASSETS DOCUMENTS ITEMS EN |||

Seasonal Buy-in Program Program runs through December 31, 2012 When the power goes out... What wou ... 42 White-Rodgers Fan Center 90-113 Adjustable TD on Make Mfg # ICM102 Adjustable TD on Break Mfg # **ICM203** PRICE 4.95 6.03 6.87 6.25 6.57 6.57 7.07 11.21 7.27 16.79 4.25 4.32 PART # CPT0...

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