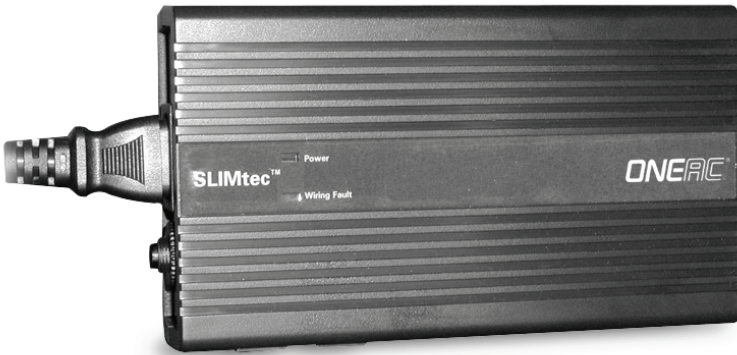


A technical manual  
from the Experts in  
*Business-Critical Continuity™*

# ONEAC SLIMtec Power Filter 5 Amps



**ONEAC®**

  
**EMERSON™**  
Network Power

## 1.0 Introduction

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Thank you for selecting this ONEAC product. ONEAC's SLIMtec Power Filter offers reliable protection from the harmful effects of electrical line disturbances.

### 1.1. Registering your product

To register your SLIMtec Power Filter, please complete the warranty registration card included with your filter or online at [www.chloridepower.com/usa](http://www.chloridepower.com/usa). From the product page, go to product registration.

### 1.2. About this manual

# IMPORTANT SAFETY INSTRUCTIONS

## SAVE THESE INSTRUCTIONS.

Please read and save these instructions. This manual contains important instructions for the ONEAC SLIMtec Power Filter. Follow these instructions during the unpacking, installation, and maintenance of the filter. If you have a problem with the filter, please refer to this manual before calling Technical Services.

### 1.3. Technical Services

ONEAC offers 24-hour technical support. To contact technical services:

North America: toll free (800) 327-8801 (opt 3),

local (847) 816-6000 (opt 3)

email: [us.info.chloride@emerson.com](mailto:us.info.chloride@emerson.com)

Please check with Technical Services before attempting to return any ONEAC product under warranty. If a ONEAC product needs repair or replacement, Technical Services issues a Return Material Authorization (RMA) number along with instructions on how to return the product.

Dangerous voltages are present within this unit. There are no user serviceable parts within this unit; therefore, any repairs or modifications may result in out-of-warranty repair charges, unsafe electrical conditions, or violation of electrical code.

This device features an internal protection that will disconnect the surge protective component at the end of its useful life but will maintain power to the load—now unprotected. If this situation is undesirable for the application, follow the manufacture's instruction for replacing the device.

## 2.0 Installation instructions

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**CAUTION:** *Indoor use only. Install in a protected environment.*

Position the SLIMtec Power Filter where desired, desktop or wall-mount.

*NOTE: When mounting the SLIMtec Power Filter on the wall or any other surface, it can be positioned in any direction.*

Position the SLIMtec Power Filter where desired. Make sure that the chosen position does not interfere with the input and output cords or access to the circuit breaker or indicators, and that it is within safe reach of the wall receptacle.

For mounting to a wall or other surface follow the directions below.

You will need the following for wall or surface mounting:

- two each #8 or # 10 screws (not supplied).
  - two wall anchors capable of supporting the SLIMtec Power Filter's weight if attaching to drywall (not supplied).
1. Mark the locations for drilling mounting holes four inches apart in the surface to which it will be attached.
  2. Drill the holes and install the wall anchors (if needed).
  3. Install the two # 8 or # 10 wall mounting screws into the holes (or wall anchors if used), leaving 1/8" clearance between the screw head and the surface.
  4. Place the SLIMtec Power Filter in position.

Plug the SLIMtec Power Filter into a grounded receptacle, properly wired in accordance with the U.S. National Electric Code and local electrical codes.

*NOTE: Note that the Output Power LED (green) should be illuminated and the Wiring Fault LED (red) should not remain illuminated (see figure 1). If the correct status is not indicated, first verify that AC power is available and the receptacle is correctly wired.*

Plug your equipment into the receptacle(s) of the SLIMtec Power Filter. Note that the total current required by your equipment must not exceed SLIMtec Power Filter's current rating, as listed on the unit's nameplate.

Operate your equipment as usual.

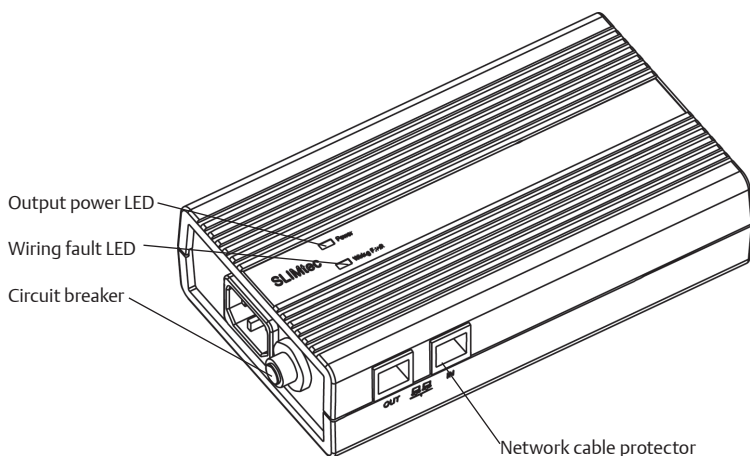


fig. 1. SLIMtec Power Filter

### 3.0 Data line protector - input/output connections

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The SLIMtec data line protector is configured to accept standard ethernet cables.

1. connect the data line to the input jack, making sure the equipment to be protected is connected to the output jack.

*NOTE: Verify the input and output plugs are fully inserted and check all data communication equipment is operational.*

### 4.0 Overcurrent protection

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If the current required by your equipment exceeds SLIMtec Power Filter's maximum current rating, the circuit breaker will trip. To reset the circuit breaker, unplug your equipment from the SLIMtec Power Filter and reset the circuit breaker switch. If the circuit breaker continues to trip once it has been reset, disconnect the equipment that is causing the overcurrent condition.

### 5.0 Status indicators

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The ONEAC SLIMtec Power Filter features two (2) status indicator LED's—the Output Power LED and the Wiring Fault LED.

#### 5.1. Output Power LED

AC power is available at the output receptacle(s) of the SLIMtec Power Filter when the green Output Power LED is illuminated. If this green LED is not illuminated, verify that 120 V is available at the receptacle that the SLIMtec Power Filter is plugged into.

## 5.2. Wiring Fault LED

When the red Wiring Fault LED is illuminated, the receptacle that the SLIMtec Power Filter is plugged into may not be correctly connected to the system safety ground or may be cross-wired line to neutral. The red LED will light momentarily when power is first applied to the SLIMtec Power Filter, but should immediately turn off if the receptacle is wired correctly in accordance with the U.S. National Electric Code and local electrical codes.

If the red Wiring Fault LED remains illuminated, contact a qualified electrician to identify any wiring discrepancies. ONEAC recommends using electrical testing equipment to verify proper electrical wiring.

## 6.0 Filter Disposal

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Once your filter has reached the end of its useful life and it is necessary to dispose of the unit.



Do not discard waste electrical or electronic equipment (WEEE) in the trash. For proper disposal, contact your local recycling/reuse or hazardous waste center.



Dispose of the unit in accordance with local/national recycling or disposal ordinances.

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## 7.0 Warranty

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This ONEAC product is warranted to be free from defects in materials and workmanship for two years. This warranty is limited to repairing or replacing, at ONEAC's option, any defective component, circuit board, or module contained within the product only when it is returned with an ONEAC Return Material Authorization (RMA) number to ONEAC or to an ONEAC-designated repair facility. In all cases, the customer is responsible for shipping charges to and from ONEAC or the ONEAC-designated repair facility.

### 7.1. Limitations of warranty

This limited warranty does not cover any losses or damage resulting from shipment to or from the customer, or from improper installation, inappropriate environment, abuse, modifications, adjustments, or unauthorized repair.

For full details of the warranty, see ONEAC Warranty, Policy and Procedures (part number 955-053).

### 7.2. Exclusive remedies

Except as set forth herein and except as to title, there are no warranties, express or implied, or any affirmations of fact or promises by ONEAC for the products, their merchantability, or fitness for any particular purpose. In no event shall ONEAC be liable for lost profits, goodwill, or any other special or consequential damages.

### 7.3. Return procedure

To return the SLIMtec Power Filter under warranty, contact ONEAC for a Return Material Authorization (RMA) number. This number must be marked on the shipping carton and packing slip of the unit returned. The customer is responsible for repair charges or damages incurred in shipment that result from inadequate or improper packing of the product.

## 8.0 Specifications

Part number	FS1 1005A-S2SB
<b>Electrical</b>	
Topology	TVSS with filter
Voltage (V)	120
Frequency (Hz)	60
Current - max/continuous RMS (Amps)	5
Overcurrent protection	push-to-reset circuit breaker
Input (two foot cord)	5-15P
Output	(2) 5-15R
Efficiency	≥ 98%
UL VPR	330 V (L-N); 400 V (L-G); 400 V (N-G)
Surge let-through voltage, (any input mode) (ANSI/IEEE C62,41 Cat A ringwave)	< 20 V, Normal Mode (L-N) < 20 V, Common Mode (N-G)
Allowable load current crest factor	≤ 4:1
Overload capacity (1 second)	1000%
Allowable load power factor	0.3 leading to 0.3 lagging
<b>Data line protection</b>	
Topology	10BaseT, 100BaseT, GigE compatible
Classification	isolated loop
Connections	EIA/TIA-568A (8-position modular jack) in and out
Surge let-through (Volts)	less than 70 V Metallic Mode (Line-Line) and less than 370 V Longitudinal Mode (Any Line-Earth), when input is subjected to 10 X 1000 uS, 1500 V, 100 A waveform in any input mode
<b>Operating environment</b>	
Humidity	5-95% RH, non-condensing
Elevation - ft (m)	10,000 (3000) ASL
<b>Safety listings</b>	
UL	1449 rev 3, 497B
<b>Physical</b>	
Indicators (LED)	power available (green), wiring fault (red)
Dimensions HxWxD - in (mm)	1.75 x 3.87 x 6.77 (44.5 x 98.5 x 171.9)
Net weight - lbs (kg)	1.35 (0.61)
Ship weight - lbs (kg)	1.8 (0.82)

# Ensuring the Availability Of Mission-Critical Data and Applications.

## About Emerson Network Power

Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling Business-Critical Continuity™ from grid to chip for telecommunication networks, data centers, health care and industrial facilities. Emerson Network Power provides innovative solutions and expertise in areas including AC and DC power and precision cooling systems, embedded computing and power, integrated racks and enclosures, power switching and controls, infrastructure management, and connectivity. All solutions are supported globally by local Emerson Network Power service technicians.

ONEAC single-phase power protection solutions - including uninterruptible power supplies (UPS), power conditioners and communication line protectors - protect against power outages and power disturbances, ensuring business continuity for customers in the retail, healthcare, telecommunication, education, digital signage and semiconductor markets.

Visit [www.chloridepower.com/oneac](http://www.chloridepower.com/oneac) for more information on ONEAC products and services. Learn more about Emerson Network Power products and services at [www.EmersonNetworkPower.com](http://www.EmersonNetworkPower.com).

## Emerson Network Power ONEAC Product and Services

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