

SENTINEL[®]

LAMP OPERATION INDICATOR



Owner's Manual

 SINCE 1963
ATLANTIC ULTRAVIOLET
CORPORATION[®]

Manufacturers / Engineers / Sales / Service
Germicidal Ultraviolet - Equipment & Lamps

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Extensive Product Information Available at:

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BuyUltraviolet.com



**Installation,
Operation &
Maintenance**
Read and Follow
All Safety Instructions.
Save these Instructions.

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These instructions generally describe the installation and operation of the **SENTINEL**® Remote Lamp Indicator. Questions that are not specifically answered by these instructions should be directed to the Factory. Atlantic Ultraviolet Corporation® takes all possible precautions when packaging equipment to prevent damage. Carefully inspect and report all damages. Do not install damaged equipment. Follow all instructions on any labels or tags. Carefully inspect all packing materials before discarding to prevent the loss of accessories, mounting hardware, spare parts or instructions.


The information and recommendations contained in this publication are based upon data collected by the Atlantic Ultraviolet Corporation® and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Specifications and information are subject to change without notice.


SAFETY WARNINGS


- All personnel should be alerted to the potential hazards indicated by the product safety labeling on this unit.
- The following conventions are used to indicate and classify precautions in this manual and on product safety labeling. Failure to observe precautions could result in injury to people or damage to property.


 This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.


 **DANGER** Danger indicates an **IMMINENTLY** hazardous situation, which, if not avoided, **WILL** result in death or serious injury.

 **WARNING** Warning indicates a **POTENTIALLY** hazardous situation, which, if not avoided, **COULD** result in death or serious injury.

 **CAUTION** Caution used without the safety alert symbol indicates a potentially hazardous situation. If not avoided, it may result in property damage.

 This symbol/pictorial is used to identify an **ELECTRICAL SHOCK** or **ELECTROCUTION** hazard.

 This symbol/pictorial is used to identify the need to wear protective eyewear.

 This symbol/pictorial is used to identify the need to wear protective gloves.

SAFETY INSTRUCTIONS

 **WARNING** To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow ALL safety instructions.
2. Do not use this product for other than its intended purpose, as described in this manual.
3. Do not alter design or construction.
4. Do not remove any labels or devices.
5. Intended for indoor use only. The Remote Indicator should be protected from the elements and from temperatures below freezing.
6. Do not operate the Remote Indicator if there is visible or suspected damage to it in any way.
7. Read and follow all notices and warnings on the **SENTINEL**[®] Remote Indicator.
8. **SAVE THESE INSTRUCTIONS.**

CAUTION

It is the user's responsibility to determine and validate the suitability of this equipment for use in the user's system or process.

No warranty or representation is made by the manufacturer with respect to suitability or performance of this equipment or to the results that may be expected from its use.

The user should periodically inspect, clean as necessary and confirm the presence and good legibility of the product safety labels. Contact the factory for replacement labels in the event that any of the labels are missing or illegible.

PRODUCT OVERVIEW

The **SENTINEL**[®] Remote Lamp Indicator has been designed and manufactured to monitor the lamp status of Atlantic Ultraviolet air purification systems. A convenient LED display alerts the user in case of a lamp failure. In addition, a +12v DC, 10mA output is available.

The **SENTINEL**[®] Remote lamp Indicator is available in one, two, or four LED configurations. It has been designed to work with the **Nutripure**[®], **SANITAIRE**[®], and **AeroLogic**[®] lines, and can be incorporated into **Tank Master**[™], **SaniLIGHT**[®], and **Sani-Ray**[®] Fixtures.

PACKAGE CONTENTS

- **SENTINEL**[®] Remote Lamp Indicator
- 25', 50', or 100' Ethernet Cable
- Owner's Manual

PRINCIPLE OF OPERATION

With the **SENTINEL**[®] Remote Lamp Indicator connected to an Atlantic Ultraviolet disinfection system, the corresponding LEDs will light on the **SENTINEL**[®], indicating proper operation of the lamps. If any one of the lamps should fail, the corresponding LED will turn off and pin 4 of the RJ-14 connector will go to external supply voltage. (see **Figure 1** below).

1. Connect supplied Ethernet cable between RJ-45 connector of purifier to RJ-45 connector of **SENTINEL**[®].
2. Provide power to system.
3. The corresponding LEDs on the **SENTINEL**[®] will light, indicating proper operation of lamps.

Figure 1 - RJ-14 and RJ-45 Connection Diagram

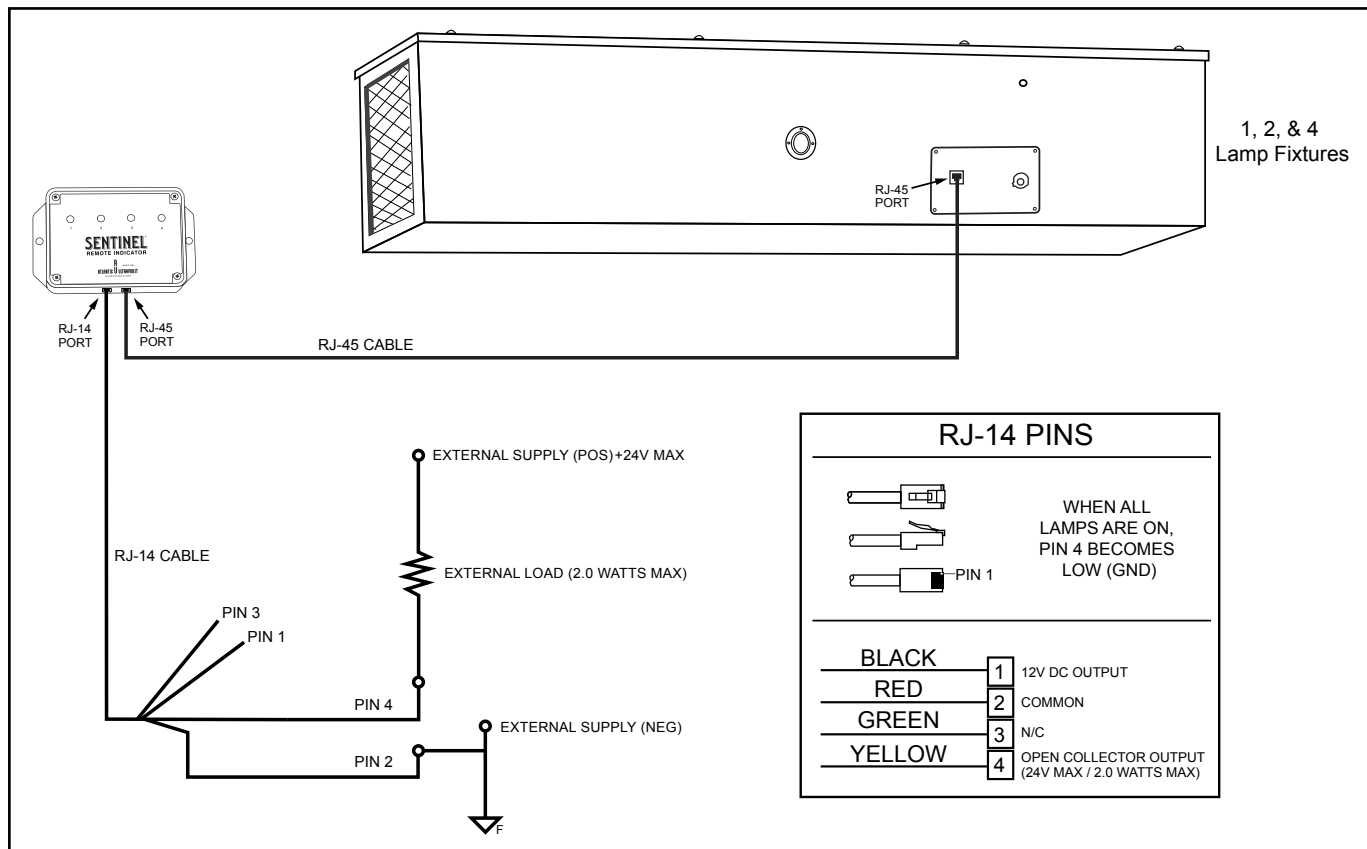
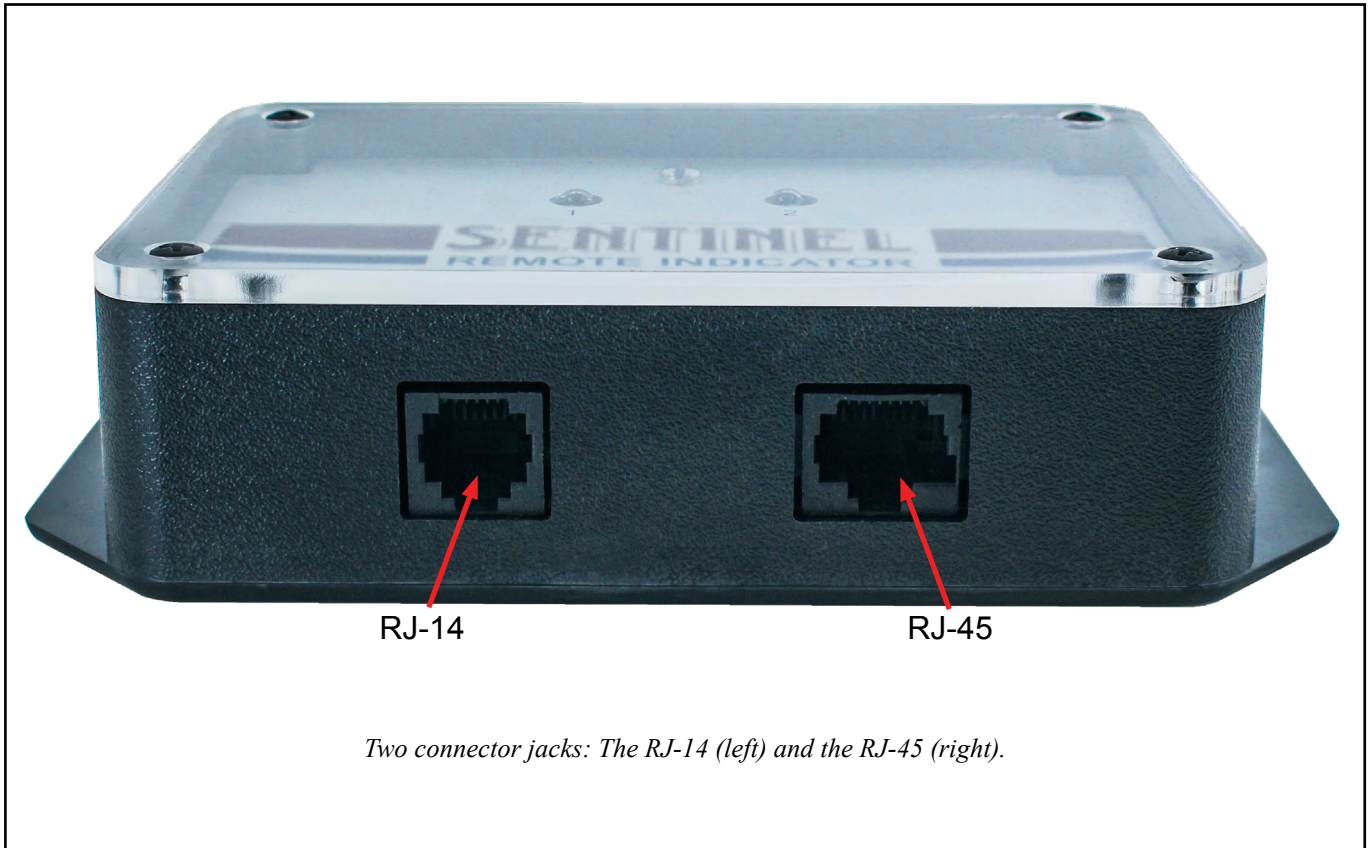


Figure 2 - RJ-14 and RJ-45 Connector Jacks



Two connector jacks: The RJ-14 (left) and the RJ-45 (right).

Table 1 - Extension Cables

Part Number	Description	Extension Cable		
		25 Foot	50 Foot	100 Foot
35-4502A1	1 Lamp SENTINEL ®	30-0176	30-0177	30-0175
35-4502A2	2 Lamp SENTINEL ®	30-0176	30-0177	30-0175
35-4502A4	4 Lamp SENTINEL ®	30-0176	30-0177	30-0175

MAINTENANCE NOTES

MAINTENANCE NOTES

USER ASSISTANCE

Atlantic Ultraviolet Corporation® makes every effort to ensure that the **SENTINEL**® Remote Lamp Indicator is a product of superior quality and workmanship. This manual describes the installation, operation, and maintenance of the **SENTINEL**® Remote Lamp Indicator.

Please read and become familiar with the contents of this manual before installing or using this unit. If after reading the manual you still have questions, or concerns, regarding the installation or use of this unit, contact our offices, weekdays between 8:30 am and 5:00 pm Eastern Time, at:

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BuyUltraviolet.com

PATENT NOTICE

No attempt has been made to determine the patent status of applications illustrated or described in this publication. Inclusion in this publication of any design or method of use, which may be patented, is not to be construed as promoting or sanctioning unauthorized use.

WARRANTY & PRODUCT REGISTRATION

We warrant this product to the original owner to be free from defects in material and workmanship when installed in accordance with Atlantic Ultraviolet Corporation® specifications for a period of time as follows:

UV Water Purifier Chambers – Type 316 stainless steel chambers will have a Twelve (12) year Limited Warranty on the stainless steel chamber, from the date of original purchase while the Type 304 stainless steel chambers will have a Six (6) year Limited Warranty on the stainless steel chamber.

UV Air Disinfection Housing – Three (3) year Limited Warranty on the metal housing, from the date of original purchase.

Ballast – Three (3) year Limited Warranty, from the date of original purchase.

UV Lamps, Monitoring Devices, Optional Accessories, and Other Parts – One (1) year Limited Warranty from the date of original purchase.

Within the warranty period we shall repair or replace such products, which are returned to us with shipping charges prepaid and which are determined by us to be defective. This warranty will not apply to any product, which has been subjected to misuse, negligence or accident; or misapplied; or modified; or repaired by unauthorized person; or improperly installed. Warranty will be null and void if any of the product's original labels are removed. This Limited warranty excludes the cost of labor.

The Buyer shall inspect the product promptly after receipt and shall notify us at our main office in writing of claims, including claims of breach of warranty, within thirty (30) days after the Buyer discovers or should have discovered the facts upon which the claim is based. Failure of the Buyer to give written notice of a claim within the time period shall be deemed to be a waiver of such claim.

The provisions of the above warranty are our sole obligation and exclude all other remedies or warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, whether or not purposes or specifications are described herein. We further disclaim any responsibility whatsoever to the customer, or to any person for injury to person, damage to, or loss of property or value caused by any product which has been subjected to misuse, negligence, accident; or modified or repaired by unauthorized persons; or improperly installed.

Under no circumstances shall the Company be liable for any incidental, consequential or special damages; losses or expenses arising from the contract for this product, or in connection with the use of, or inability to use, our product for any purpose whatsoever.

Be sure to register your product and validate purchase within 30 days — registration is simple and will take less than 2 minutes to do.

NOTE – failure to register your purchase may jeopardize warranty.

Go to Ultraviolet.com and scroll down to the bottom of the page, under “Trust” click the “Warranty Registration Form”, complete and click “Submit”. Or click on “Warranty Registration PDF” to download the warranty registration card as a PDF, complete and mail to us at 375 Marcus Boulevard, Hauppauge, NY 11788, or simply fax to 631-273-0771. If you prefer to register by phone, please call 631-273-0500 and our customer service staff will be glad to assist you.

For your convenience, record the following information below. Keep this manual, along with proof of purchase, handy when contacting our offices.

Purchased From:	Date:
Model:	Serial No.: