

INSTALLATION & OPERATION MANUAL

ALARM PACKAGE for GOOD QUALITY,RO MODEL 00850300



Manufactured With Pride In The USA

www.ameriwater.com • 800-535-5585

AmeriWater • 3345 Stop 8 Rd. • Dayton, OH 45414

TABLE OF CONTENTS

1.0	Theory of Operation1
2.0	Installation1
3.0	Start-up1
4.0	Standard Replacement Parts2
5.0	Features Matrix2
6.0	Drawings

1.0 Theory of Operation

The **00850300** alarm monitor package is designed to let users know when something is not functioning properly with the water equipment. This alarm will warn the user by illuminating a red light and sounding an audible alarm, indicating that some limit has been exceeded.

This alarm has a green "GOOD QUALITY" light to let you know at a glance that the system is operating correctly. The property to be monitored has been chosen during the original purchase of this equipment. This system can monitor:

1. R/O Alarm; this will warn the user that the measured conductivity of the water generated by the RO is higher than what has been determined to be appropriate by the Facility Director, and has been programmed into the RO controller.

2.0 Installation

1. Locate the alarm panel outside the water room at an easily accessible and highly visual position on the wall, within 6' of a 120-volt outlet. Notice that 100' of wire is provided to interface with the RO controller.

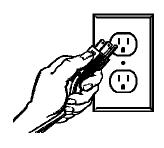
CAUTION: Disconnect <u>ALL</u> power supplies to the all the equipment, prior to wiring the alarm panel or electrical shock could result.

WARNING: Be sure jumpers on the auxiliary board on the RO's controller are jumpered between J3 & J4 ONLY. If not, damage to the alarm panel or RO controller will result.

- 2. Connect a wire to L1, Relay 2 in the RO and to terminal 61 in the alarm panel.
- 3. Connect a wire to L2, Relay 2 on the RO+ and to terminal 63 in the alarm panel. If multiple RO's are being connected, wire them in a parallel manner. (Refer to wiring diagram)

3.0 Start-up

- 1. Plug the alarm panel into a 120-volt outlet, and then apply power to all other equipment.
- 2. Make sure the alarm panel operates correctly by creating faults with the equipment connected to the alarm panel and then clearing them.



4.0 Standard Replacement Parts

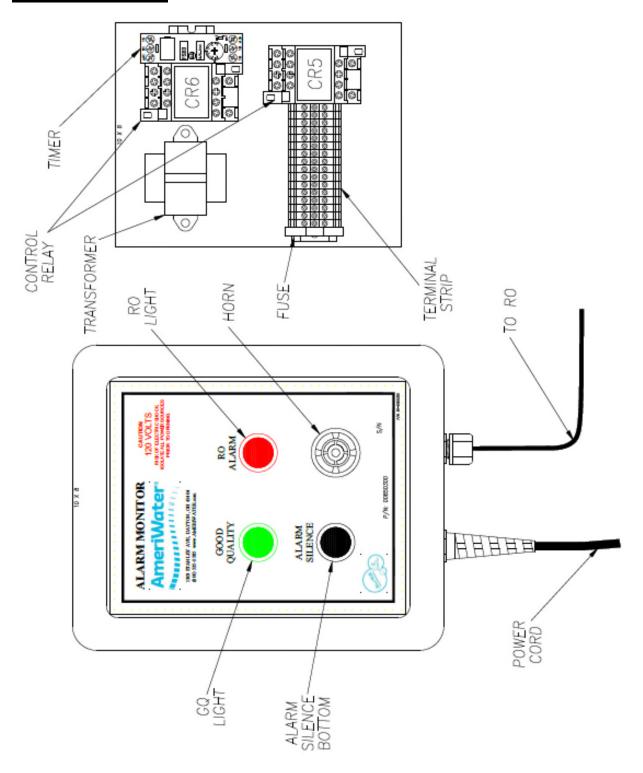
Part #	Name				
62760177	Transformer 120/208/240-24V 40VA				
63760133	Fuse, 2A, 250V				
64-0003	Timer				
64760134	Relay,OMRON,14Pin 4PDT				
64760155	14 Pin Relay Base				
64760228	Relay 24VAC 14Pin 4PDT				
65511220	Push Button Switch				
65511223	Light Red Pilot AB 120V				
65511225	Light Green Pilot AB 120V				
65511230	Switch Contact				
65760204	Horn Piezo 120VAC,80-95DB				

5.0 Features Matrix

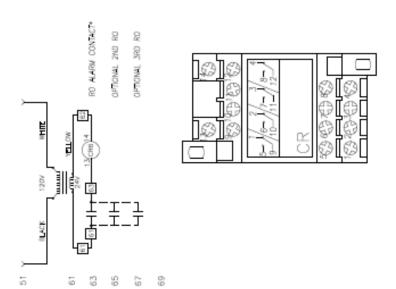
MODEL	Good Water Light	RO Alarm	Storage Tank Low	Conductivity Alarm	Resistivity* D.I. Alarm	Bicarb Low
00850300	✓	✓				

2 P/N 98-0163 REV A

6.0 Drawings



3



RD ALARW

17

ġ. ō 23 23 27 23 Ŕ n

2

2

зшн⊮

ďŀ

120

-

10

œ

CONNECT 61 AND 53 TO "DRY CONTACT" ALARM OUTPUT OF THE RO BEING USED. *FOR ALL RO'S SUPPLIED BY OTHERS: FOR AMERIWATER MRO ALARM CONNECTION: 61 TO L1 RELAY 2 ON MRO. 63 TO L2, RELAY 2 ON MRO.

CONVECT CONNECT

COCO QUALITY

苔

AUDIBLE ALARM SUENCE

SHE

AUDIBLE ALARM

埤

30

R 33 g ÷ 2 ş Ş 40

- 1. ALWAYS COMPARE THE WORK ORDER TO ON—HAND DRAWINGS, TEST METHODS, FORMS, BILL OF MATERIAL TO ASSURE THAT THE LATEST OR CORRECT REVISION LEVEL IS BEING BUILT.

 2. MAKE SURE THAT JUMPERS ON MRD ALIX BOARD ARE JUMPERED BETWEEN J3 & J4 ONLY.

 THIS JUMPERED CONFIGURATION WILL GIVE "DRY CONTACT" FUNCTION.

 3. ALL WIRES LABELED WITH TO ARE 16 GA, BLOCK.

 ALL WIRES LABELED WITH TO ARE 16 GA, WHITE, AND ARE NEUTRAL.

 ALL WIRES LABELED WITH TO ARE 18 GA, BLUE AND 24 VOLT.

 ALL WIRES LABELED WITH TO ARE 18 GA, BLUE.

 5. REFER TO HANNA METER OR HYORO—CHECK USER MANUAL.

 FOR CELL MITERFACE.
 - ÷

180 SEC DELAY TIMER

ωj

5

BFYCK

WARNING

This product can expose you to chemicals such as vinyl chloride (used in the production of PVC) or Nickel (used in the production of stainless steel), that are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Dear Valued Customer,

California Proposition 65 (Prop 65) is the Safe Water and Toxic Enforcement Act of 1986. The State of California began enforcing amendments to California Prop 65 at the end of August 2018. Prop 65 requires manufacturers to provide a clear and reasonable warning to residents of California about chemicals used in products that they purchase that are included on the Prop 65 Chemical List. The chemicals included on the list are chemicals that are known to the State of California to cause cancer, birth defects, or other reproductive harm. One such chemical is Vinyl Chloride, a compound used to produce Polyvinyl Chloride (PVC). The AmeriWater system you have purchased may contain PVC or stainless steel parts.

While warnings are only required in the State of California, AmeriWater has initiated the use of Prop 65 labeling for all products to ensure compliance with California regulations. Please note that the above warning does not necessarily mean that the product that you have purchased is unsafe. Products that have been cleared for market by FDA have been determined to be safe and effective by the United States Food and Drug Administration. The warning is simply a requirement by the State of California. If you wish to obtain additional information, please visit: p65warnings.ca.gov. You may also contact your AmeriWater representative if you have any questions.

Thank you for your understanding and we look forward to continuing to serve you.