









Cover spliced regions with heatshrink sleeve or other insulated material. Ensure that wire conductors and splice connectors are fully enclosed to prevent shorting or arcing between wires. For these allow an appropriate length of loose cable for easy connect and disconnect from the Photonizers.

Seal conduit around Photonizer cables using liquid-tight cord grips.

## Wiring Building Mains Power to Panel

Using a punch or screw-driver, remove one of the Knock-outs from the bottom of the panel assembly.

Strip 3/8" of wire from the end of each photonizer wire and connect the 120-277 single phase AC Line and Neutral from the building mains to the ballast input terminal block. Connect the building ground wire to the panel back plane grounding screw. Secure by tightening screw terminals on wire ends.

Remove one of the panels upper knock-outs and feed the AC-in wires through this opening.

Connect the building mains AC wires to the terminal strip locations shown in (Figure 9) using 18AWG SolidCore wire.

## Interlock Switch

For each user access point on the air handler where personnel may be exposed to the UV light generated by CoilCare®, you will need to install a safety interlock switch rigged to interrupt mains power to the panel assembly (Figure 13).

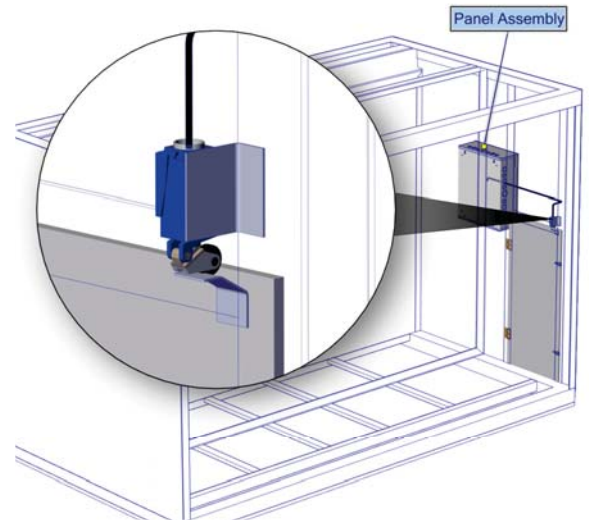


Figure 13: Interlock Switch

## Warning and maintenance Labels

CoilCare® comes with two warning labels which should be located on the entrance to the Air Handler compartment and the enclosure as shown (Figure 14).

## Sight Glass

It's recommended that the customer install a sight glass made of polycarbonate or another UV-C filtering plastic material to allow personnel to verify operation of the system.

## Operation

The CoilCare® system begins operating as soon as power is connected to an uninterupted circuit.

The CoilCare® system only requires periodic maintenance. On an occasional basis, the Photonizers should be wiped with a clean, cloth dipped in alcohol solution to remove deposits or residue.



Figure 14: Locations of Warning Labels

### Photonizer Replacement

UVC lamps lose effectiveness over time and should be replaced on an annual basis. To replace the UVC lamp, disconnect the lamp connector cable and remove the screws from the hanger clips that support the lamp. The lamp will then pop out of the hanger clips by pushing with slight force. Installation is the reverse of removal.

Only handle UVC Lamps by the insulators on the ends as oils in finger prints may damage the quartz material

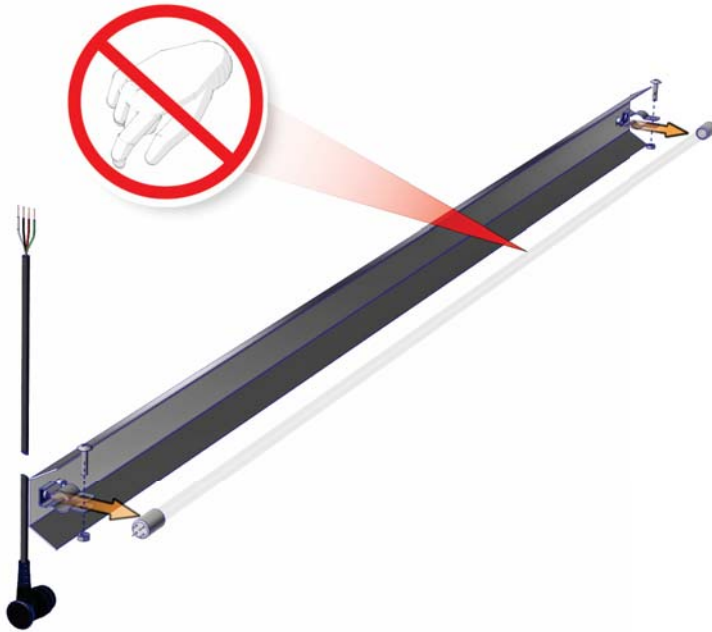


Figure 15: Removing UVC lamp from fixture

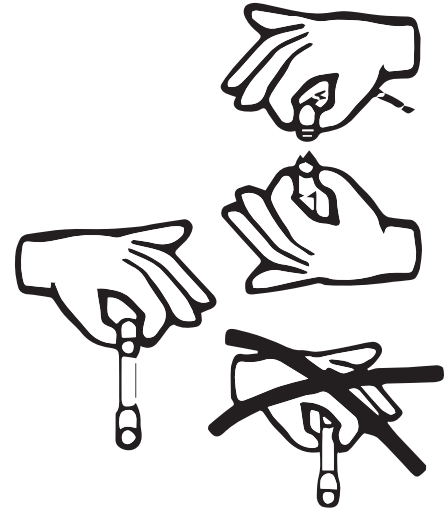


Figure 16: UVC lamp handling

UVC lamps contain small amounts of Mercury. If the lamp quartz envelope is broken, avoid direct contact with the Mercury and do not inhale fumes. Consult your hazardous waste clean-up procedures and take appropriate safety precautions. Store and dispose of UVC lamps in accordance with local and national laws regarding handling of Mercury and glass.

The enclosure warning label contains a log where you can record replacement dates for future reference.

To obtain replacement parts, contact BioZone Scientific International.

Replacement Photonizers have the following part numbers and are based on the lamp size.

CoilCare® Photonizer Catalog Number	Nominal Length	Replacement UVC lamp Catalog Number
CCX36	36"	10-36000
CCX48	48"	10-48000
CCX64	64"	10-64000
CCXH036	36"	10-H36000
CCXH048	48"	10-H48000
CCXH064	64"	10-H64000

### Contact Information

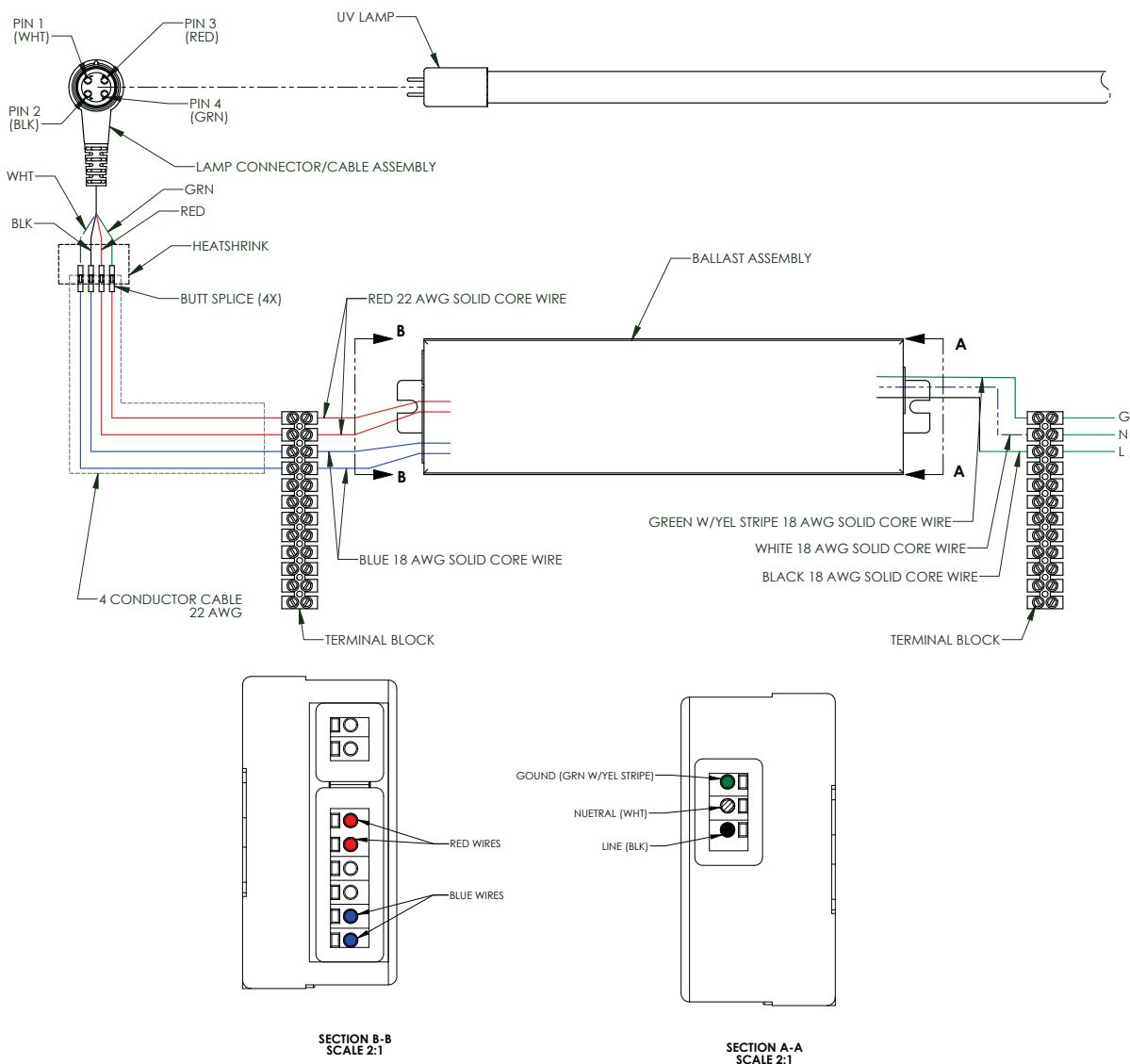
For information on Ordering replacement components or new products or to obtain service, contact BioZone Scandinavia AB:

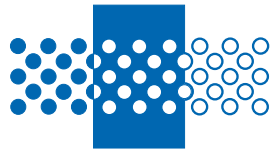
Smedbyvägen 4  
184 32 Åkersberga  
0707330414  
email: par@biozone.se  
Web: www.biozone.se



Figure 17: More about CoilCare

### Wiring Diagrams





**BIOZONE**<sup>®</sup>  
SCIENTIFIC INTERNATIONAL

Copyright 2015 All rights reserved  
81200012 Rev A  
PUB: 150803