



CSI Controls CSION 4X Alarm System Instruction Manual

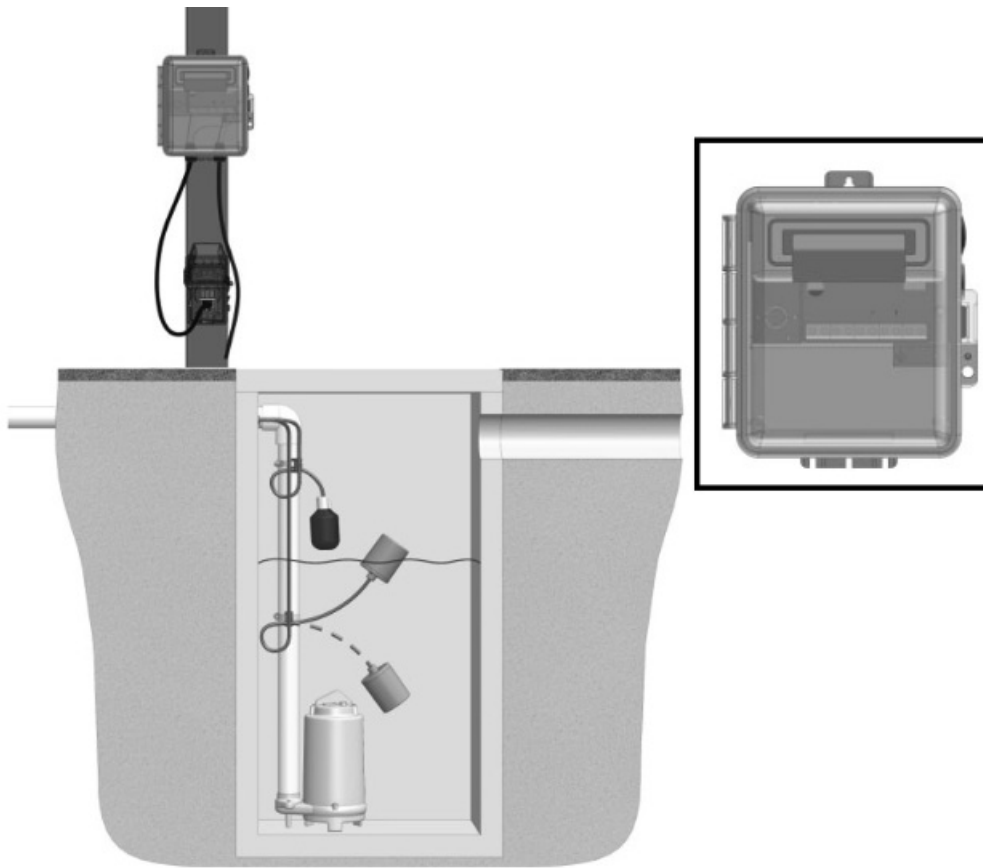
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CSI Controls CSION® 4X Alarm System Instruction Manual

**CSION® 4X
Alarm
Installation Instructions**



This alarm system monitors liquid levels in lift pump chambers, sump pump basins, holding tanks, sewage, agricultural, and other water applications.

The CSION® 4X indoor/outdoor alarm system can serve as a high or low level alarm depending on the float switch model used. The alarm horn sounds when a potentially threatening liquid level condition occurs. The horn can be silenced, but the alarm beacon remains active until the condition is remedied. Once the condition is cleared, the alarm will automatically reset.



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Electrical Warnings

Failure to follow these precautions could result in serious injury or death. Replace the float switch immediately if cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.



ELECTRICAL SHOCK HAZARD

Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

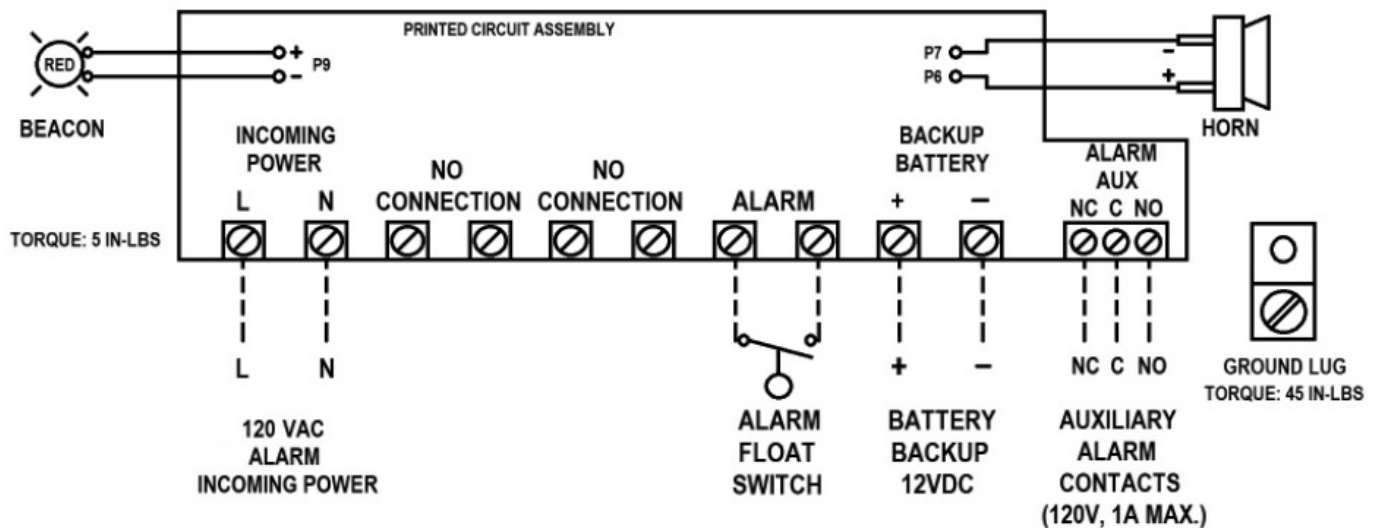


EXPLOSION OR FIRE HAZARD

Do not use this product with flammable liquids.

Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

Wiring Diagram



MAIN DISCONNECT AND OVERCURRENT PROTECTION OF INCOMING FEEDER CIRCUIT PROVIDED BY OTHERS.

TEMPERATURE RATING OF FIELD INSTALLED CONDUCTORS MUST BE AT LEAST 140 DEG. F (60 DEG. C).

TERMINAL STRIPS AND GROUND LUGS USE COPPER CONDUCTORS ONLY.

DASHED LINES REPRESENT FIELD WIRING.

Note: Standard alarm comes with pre-wired power cord and float switch.

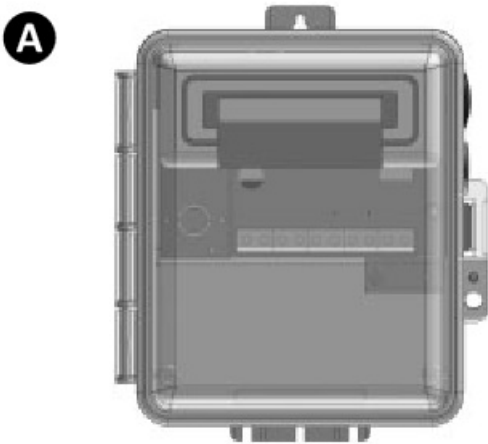
CSI CONTROLS® FIVE-YEAR LIMITED WARRANTY

Five-Year Limited Warranty.

For complete terms and conditions, please visit www.csicontrols.com.

Items Needed

Included with CSION ® 4X Alarm



Included with Optional Float Switch



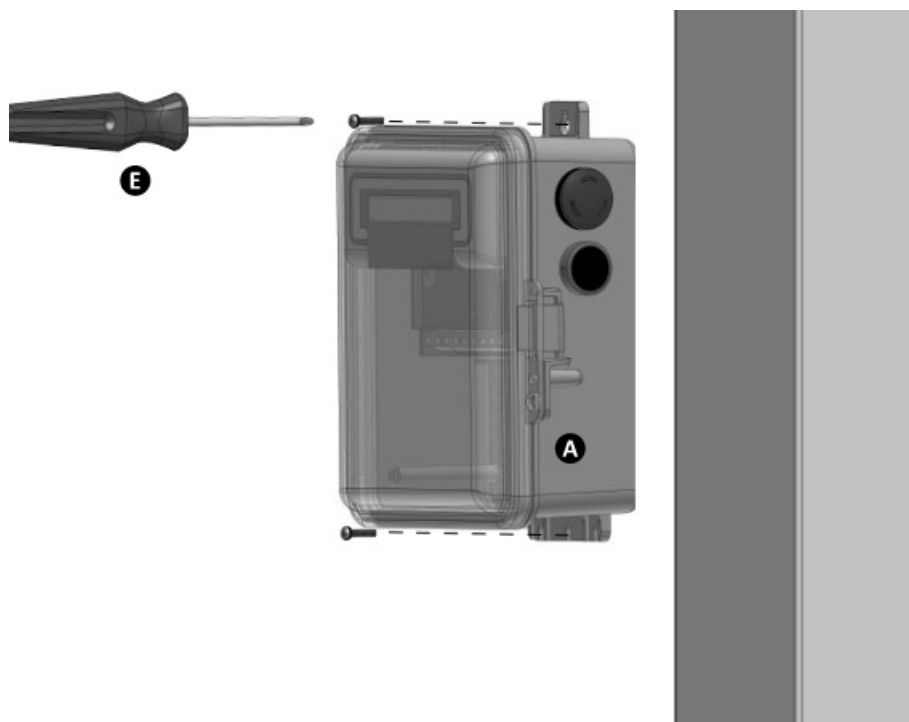
Not included



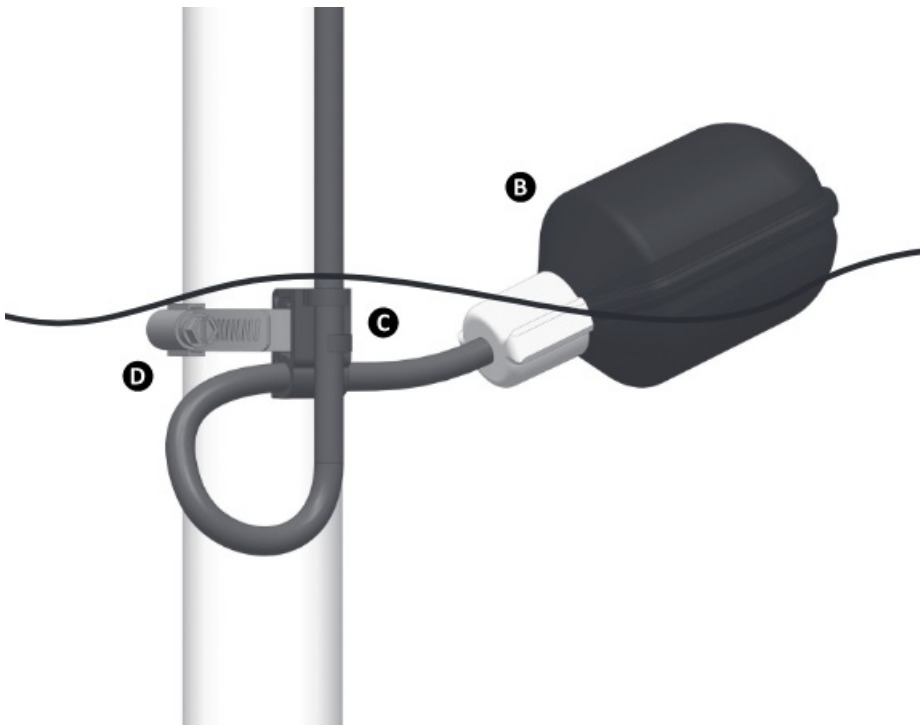
Specifications

Voltage	120 VAC Model <u>Primary:</u> 120 VAC, 50/60 Hz, 2.4 watts max. (alarm condition) <u>Secondary:</u> 12 VDC
Enclosure	Indoor/Outdoor

1. Mount the alarm enclosure using existing upper and lower mounting tabs.



2. Install float switch at desired activation level.



3. a. Installation with standard pre-wired power cord and pre-wired float switch:

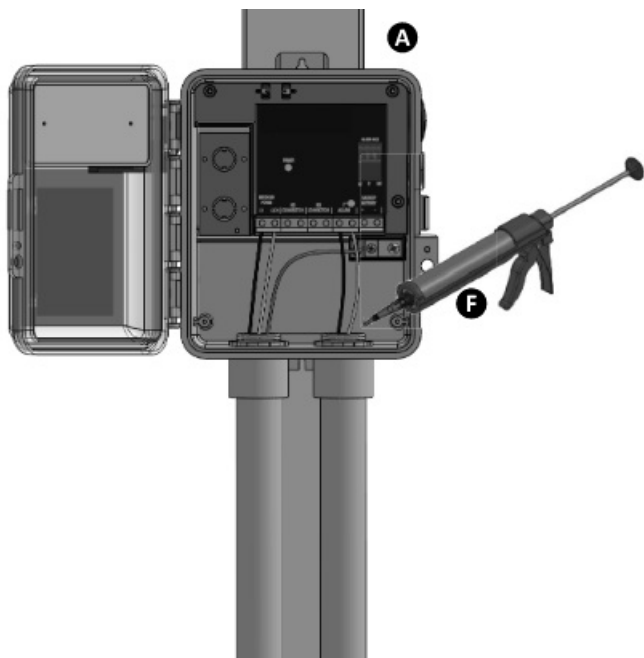
Plug the 120 VAC power cord into a 120 VAC receptacle on a separate branch circuit from the pump circuit to ensure proper notification.



b. Installation with conduit installed:

Bring float switch and power cable through conduit and wire to 10 position terminal block. Connect ground wire to ground termination post.

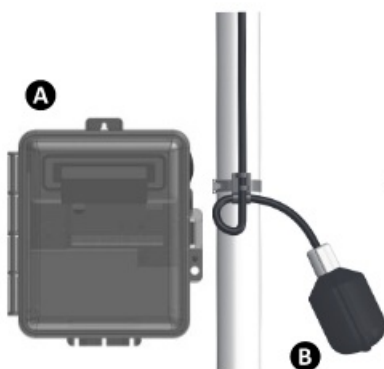
NOTE: Seal conduit to prevent moisture or gas from entering enclosure.



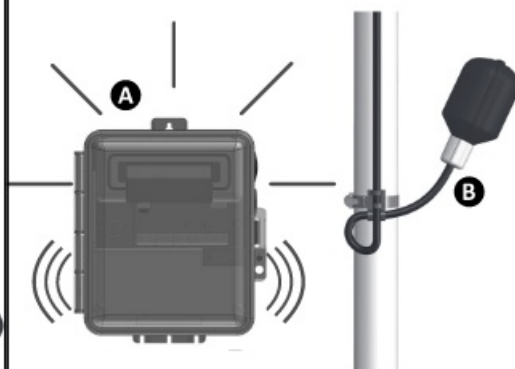
4. Restore power and check alarm operation after installation (high level application shown).



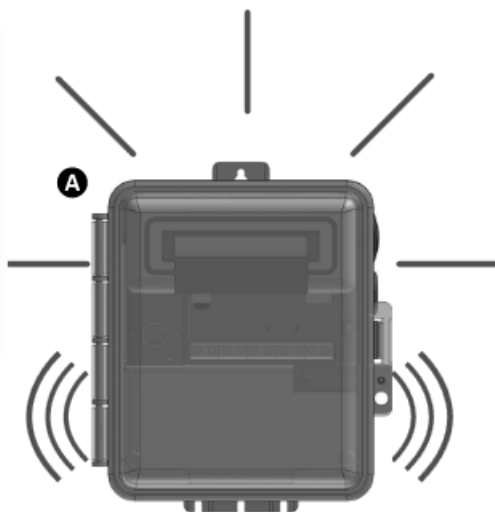
Alarm Off (High Level)
Alarma desactivada (nivel alto)



Alarm On (High Level)
Alarma activada (nivel alto)



5. Test alarm weekly to insure proper operation.





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CSION 4X Alarm System, CSION 4X, Alarm System, Alarm

References

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[Manuals+.](#)