



Alarm Box Installation Instructions



Documentation Notice: This document contains installation instructions for the Alarm Box which is an optional accessory component of the iCOMM™ remote monitoring system. Ensure you have the iCOMM™ Instruction Manual (part number 315983-000 or 315985-000) on hand before you begin the installation. If you do not have a copy of this manual call 888 928-3702 to obtain a copy.

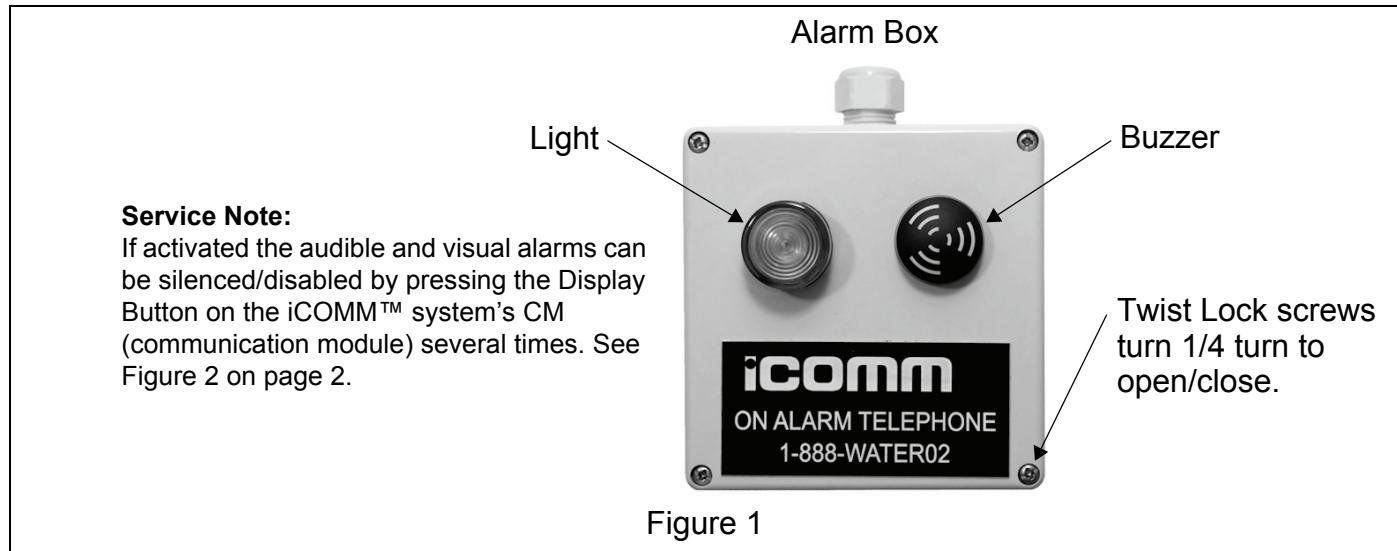
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ALARM BOX INSTALLATION INSTRUCTIONS

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The Alarm Box provides both visual (red light) and a loud (80dBA) audible alarm - see Figure 1. The Alarm Box is activated whenever a water heating appliance monitored by the iCOMM™ system declares a Fault /Alert condition, a water leak is detected by the iCOMM™ system's Leak Detector or the system water temperature drops below a programmable set point accessed on the iCOMM™ web site. See the iCOMM Instruction Manual referenced above for more information.



Each Alarm Box comes with the items listed in Table 1. Ensure all these parts are present before you begin the installation.

TABLE 1

Item	Quantity	Description
1	1	Alarm Box assembly
2	1	Power Supply (plug in transformer 120 VAC to 24 VAC)
3	2	Nylon Toggle Anchor
4	2	Mounting Screw
5	12'	18/2 SJ cord - wire
6	3	Wire nuts
7	5	Wire tie wraps
8	5	Wire tie mounts 3/4" (adhesive/screw mount)

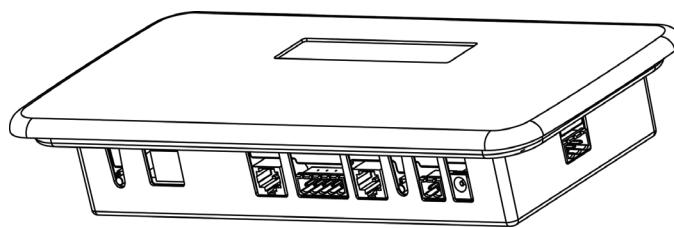
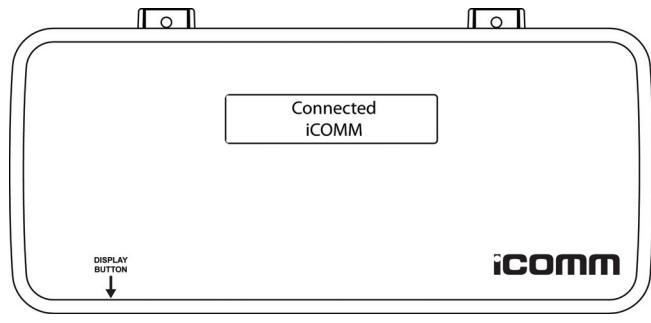
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INSTALLATION

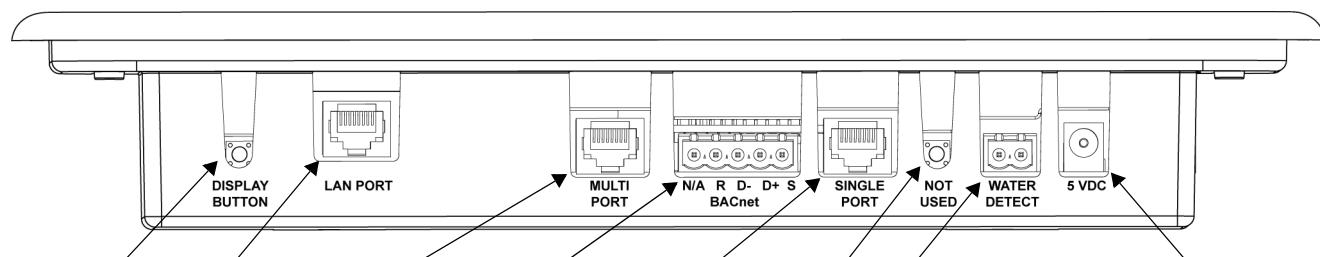
The Alarm Box is wall mounted. An included 24 VAC plug in transformer (see Table 1 on page 1) provides power for the Alarm Box. 24 VAC wiring connects between the Alarm Box and the terminal strip along the right edge of the iCOMM™ system's CM (communication module). The Alarm Box can be installed near the CM or in a different location for remote monitoring. Keep in mind the Display Button on the CM must be pressed to silence the alarm when considering a remote location - see Figure 2.

iCOMM™ System CM (communication module)

Front View



Front Edge



Right Edge

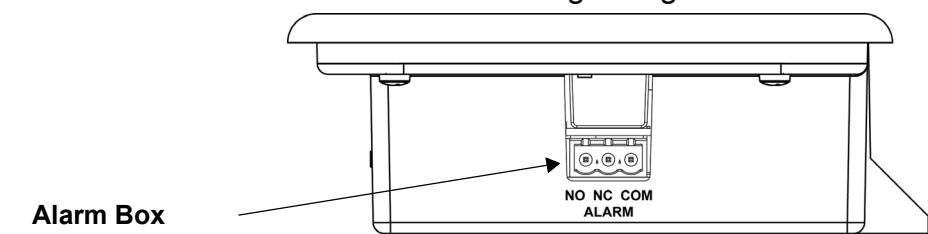


Figure 2

ALARM BOX INSTALLATION INSTRUCTIONS

Alarm Box Wall Mounting

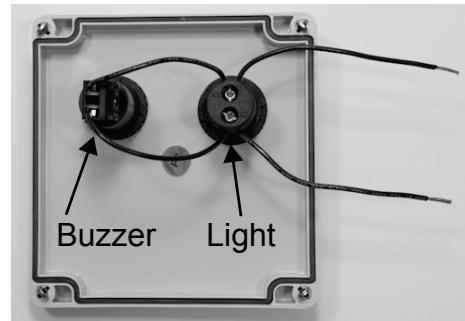
- 1 Choose an indoor location with adequate wall space to mount the Alarm Box. The Alarm Box can be installed near the CM (communication module) or in a remote location. When choosing a remote location keep in mind the Display Button on the CM (Figure 2 on page 2) must be pressed to silence the alarm when activated.
- 2 Remove the Alarm Box cover by turning the four twist lock screws 1/4 turn and pulling the cover away from the enclosure - see Figure 1 on page 1.
- 3 Drill two 1/8" mounting holes 2 - 3 inches apart through the back of the Alarm Box enclosure.
- 4 Use the Alarm Box as a template to align the enclosure on the wall. Mark the wall with a pencil or awl through the holes drilled in Step 3 while holding the enclosure level.
- 5 Drill two holes in the wall where the marks were made in the Step 4 using a portable drill and the appropriate type (standard or masonry) of 5/16" drill bit.
- 6 Insert one Nylon Toggle Anchor (Table 1 on page 1) in each hole drilled in Step 5. Gently tap the anchors into the holes using a hammer until they are flush with the wall.
- 7 Align the Alarm Box enclosure with the anchors in the wall and install the two mounting screws (Table 1 on page 1) to secure the enclosure to the wall.

Alarm Box Enclosure



Compression
fitting for wiring

Alarm Box Cover Removed



Remove the cover and mount level on a wall



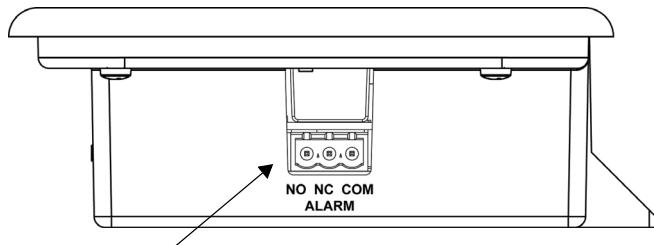
Figure 3

ALARM BOX INSTALLATION INSTRUCTIONS

Alarm Box Wiring

- 1 Cut two pieces of the included 18/2 SJ cord (Table 1 on page 1) to length. Cut the first piece of wire to run between the Alarm Box and the right edge of the iCOMM™ system's CM (communication module) see Figure 1 on page 1 and Figure 4. Cut the second piece to run between the Power Supply plug in transformer (Table 1 on page 1) and the Alarm Box.
Remote Installations: If the Alarm Box is installed in a remote location additional 18/2 SJ cord can be used if the 12' of 18/2 SJ cord included with the Alarm Box is not long enough.
- 2 Feed one end of the wires cut in Step 1 through the compression fitting on the Alarm Box - see Figure 3 on page 3. Leave enough wire inside the Alarm Box enclosure to make the wiring connections shown in Figure 5 on page 5. Tighten the compression fitting.
- 3 Strip 1/4" of insulation from the ends of all four wires inside the Alarm Box enclosure. Using the included wire nuts (Table 1 on page 1) connect the wiring as shown in the Connection and Wiring diagrams in Figure 5 on page 5.
- 4 Replace the cover on the Alarm Box and turn the four twist lock screws 1/4 turn to secure it.
- 5 Ensure the low voltage wiring is properly connected to the 24 VAC output connections on the Power Supply plug in transformer as shown in the Connection and Wiring diagrams in Figure 5 on page 5. If necessary strip 1/4" of insulation from the two wire ends leading to the plug in transformer and make the connections.
- 6 Strip 1/4" of insulation from the two wire ends leading to the "ALARM" wiring terminal on the CM. Connect these two wire ends to the "C" and "NO" terminals on the "ALARM" wiring terminal - see the Connection and Wiring diagrams in Figure 5 on page 5 and Figure 4. Unplug the "ALARM" wiring terminal from the CM when making these connections and tighten the terminal screws securely. Plug the "ALARM" wiring terminal back into the designated Alarm socket on the CM when finished.
- 7 Plug the Power Supply plug in transformer into an available 120 VAC outlet. Check for 24 VAC with an AC volt meter at the output connections on the Power Supply plug in transformer. If 24 VAC is not present ensure the outlet is supplying 120 VAC to the Power Supply.

Right Edge View of CM (communication module)



Alarm Relay Contact Terminal Strip
(unplug from CM for wiring)

Alarm Box mounted - wiring routed inside enclosure

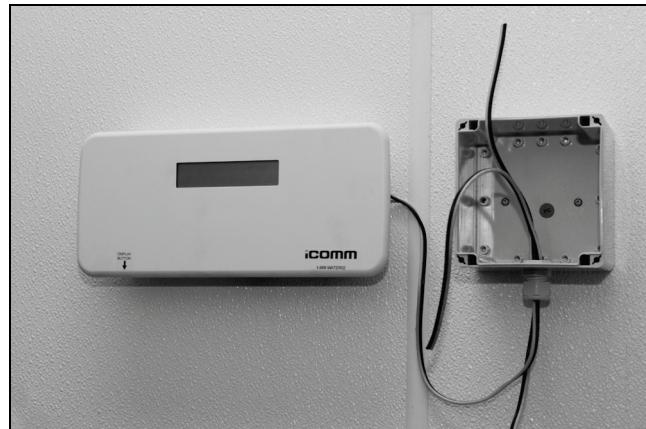


Figure 4

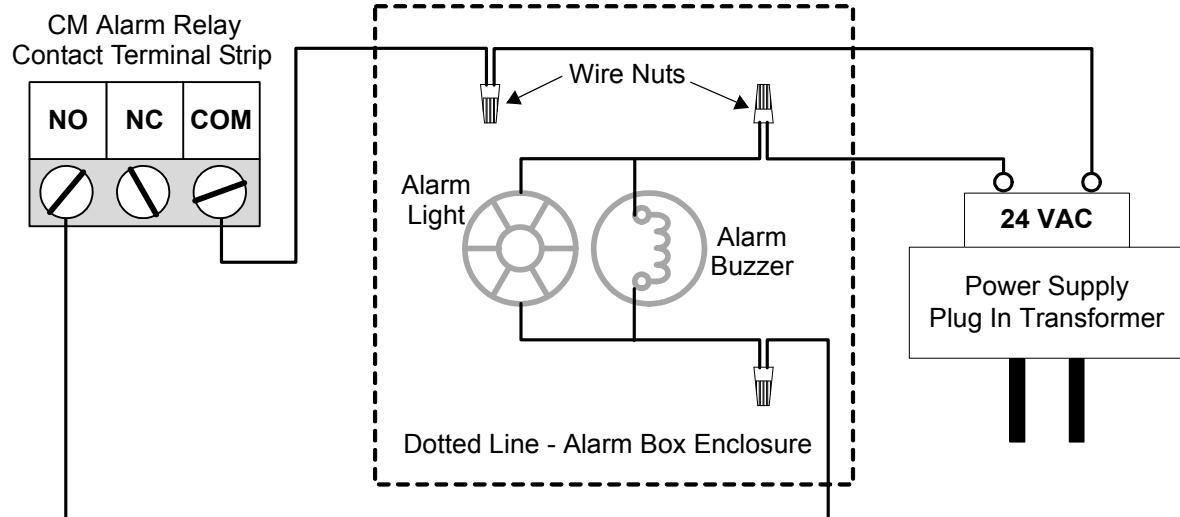
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CONNECTION & WIRING DIAGRAMS

Alarm Box mounted - wiring routed inside enclosure



Alarm Box Connection Diagram



Alarm Box Wiring Diagram

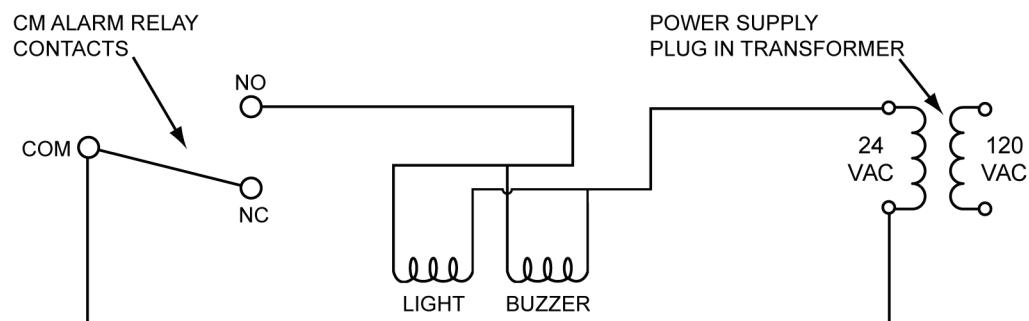


Figure 5

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