Minuteman
Level Alert

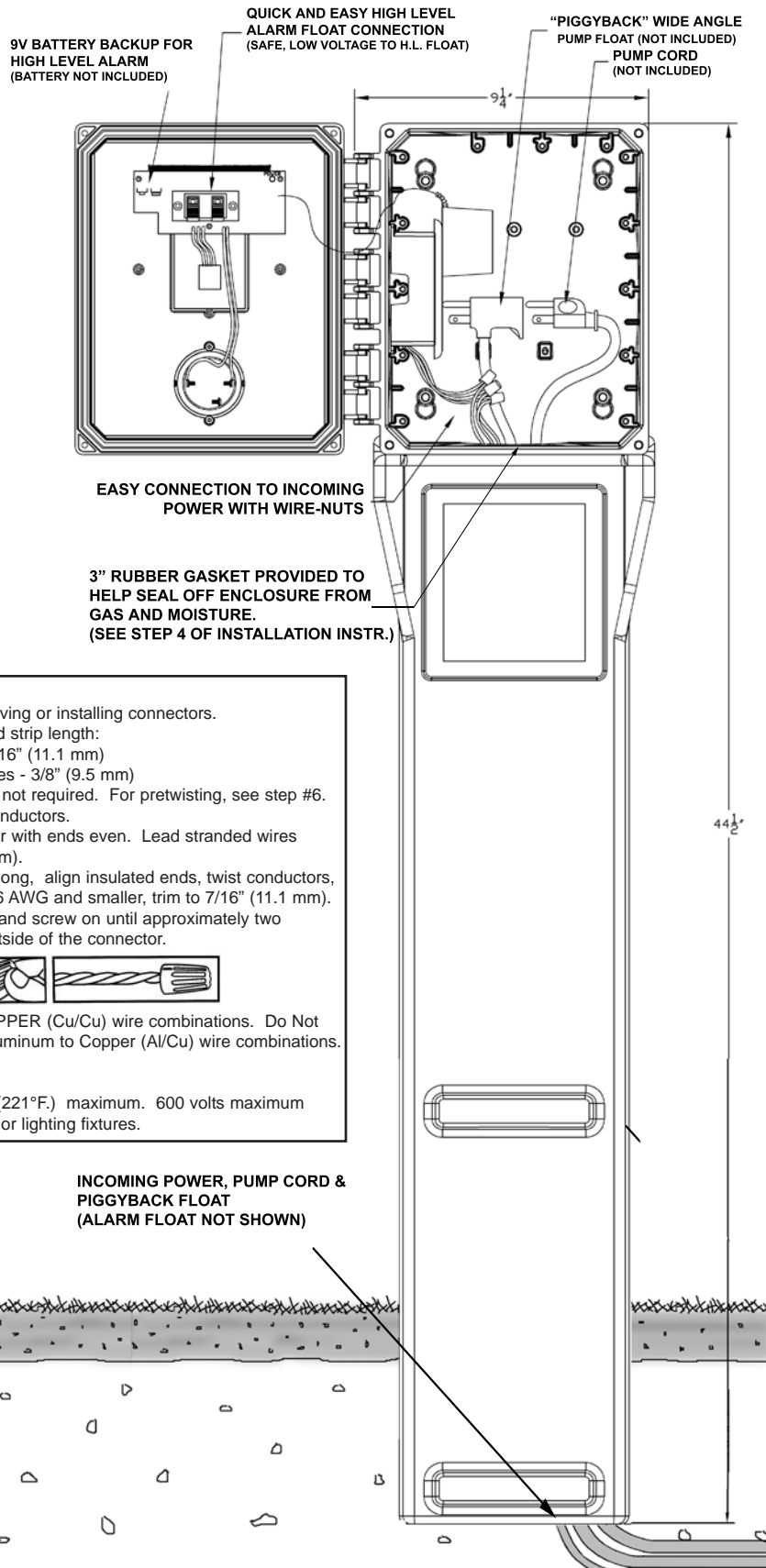## Outdoor Pedestal Alarm
Installation Instructions

Be sure to follow Electric Code, ANSI/NFPA 70, when installing this unit to prevent moisture from entering or building up inside equipment.

1. Decide mounting location.

2. The Minuteman pedestal may be directly buried into the ground (keeping the access door above ground) or secured to a 4x4 post buried into the ground allowing the entire pedestal to be above ground. The pedestal fits snug over a 4x4 and may be secured by running screws through the ribs on the lower portion of the pedestal into the 4x4. In determining the best mounting method for your application first decide how high you would like the enclosure door above ground. You will need to decide whether you want to run the pump wire, incoming power, and float wire feeds into the pedestal through a hole drilled into the pedestal or up through the bottom of the pedestal (Either way is acceptable).

3. Bring your incoming power, pump power cord, "piggyback" pump float, & alarm float wires up the center of the inside of the pedestal. Allow enough slack for:
   - -The incoming power wires to wire-nut to the leads coming out of the outlet box
   - -The "piggyback" float to plug into the available outlet
   - -The pump cord to plug into the "piggyback" float
   - -The alarm float to plug into the speaker style push terminals on the circuit board

   (Can't find these locations? Please see typical installation drawing on the backside of this page).
   Note: On "Dual Power" Units the black wire is for the pump power & the red wire is for the alarm.

4. Be sure proper precautions are taken to seal the hole in the bottom of the enclosure where the wires enter to prevent the unwanted infiltration of gas and moisture! A 3" rubber gasket is provided and should be used along with a silicon sealant.

5. With all wires properly connected inside the panel it's time to test the operation.
   - Manually tip up the "piggyback" float to make sure that it starts and stops the pump properly.
   - Manually tip up the alarm float to make sure it turns on and off the audible and visual high water alarms.

6. Using the Test - Silence - Normal toggle switch on the outside of the enclosure periodically test unit to make sure the unit is working properly. The test mode will test the audible and visual alarms, the silence mode with silence the audible alarm during an alarm condition, and the normal mode allows the system to operate using the alarm and control floats.

Note: Installing a 9V battery to the clip on the circuit board will allow the panel to alarm during a power outage.
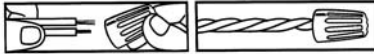
CSI controls

Typical Installation Drawing

9V BATTERY BACKUP FOR HIGH LEVEL ALARM
(BATTERY NOT INCLUDED)

QUICK AND EASY HIGH LEVEL ALARM FLOAT CONNECTION
(SAFE, LOW VOLTAGE TO H.L. FLOAT)

"PIGGYBACK" WIDE ANGLE
PUMP FLOAT (NOT INCLUDED)
PUMP CORD
(NOT INCLUDED)

9¼'

44½'

EASY CONNECTION TO INCOMING POWER WITH WIRE-NUTS

3" RUBBER GASKET PROVIDED TO HELP SEAL OFF ENCLOSURE FROM GAS AND MOISTURE.
(SEE STEP 4 OF INSTALLATION INSTR.)

Wire Nut Instructions:

1. Turn off power before removing or installing connectors.
2. Strip wires to recommended strip length:
   - 16 AWG and smaller - 7/16" (11.1 mm)
   - All other listed wire gauges - 3/8" (9.5 mm)
3. Pretwisting acceptable, but not required. For pretwisting, see step #6.
4. Align frayed strands and conductors.
5. Hold stripped wires together with ends even. Lead stranded wires approximately 1/16" (1.6 mm).
6. For pretwisting, strip wires long, align insulated ends, twist conductors, trim to 3/8" (9.5 mm); for 16 AWG and smaller, trim to 7/16" (11.1 mm).
7. Insert wires into connector and screw on until approximately two twists are visible in wire outside of the connector.

Use only on COPPER TO COPPER (Cu/Cu) wire combinations. Do Not Use on Aluminum (Al/Al) or Aluminum to Copper (Al/Cu) wire combinations. For use in dry locations only.

Temperature Rating: 105°C. (221°F.) maximum. 600 volts maximum building wire; 1000 volts signs or lighting fixtures.

INCOMING POWER, PUMP CORD & PIGGYBACK FLOAT
(ALARM FLOAT NOT SHOWN)

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