

# CONTROL PANEL INSTALLATION GUIDELINES

This document is provided as a general guideline for typical control panel installations and is not intended to precede or override project plans, specifications, or any local jurisdiction's codes and/or regulations.

**Failure to comply with these guidelines which results in damaged equipment will void Jensen Pump Stations' warranty.**

## Prior to Installation

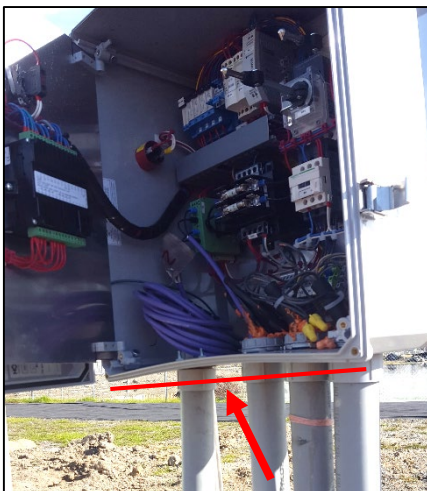
- Verify all required components for installation have been received. Notify Jensen as soon as possible to report missing or damaged items.
- Electrical components must be stored in a cool, dry environment (and covered if possible) until installation. Any electrical equipment left in the sump may result in damage, voiding the warranty.
- A qualified electrician must be on site to install and service the panel. Control panel installation must comply with NEC standards as well as any local codes.

## Installation Notes

- The panel enclosure may be mounted to a secure frame, on a nearby wall or within a nearby structure.
- The electrical contractor is responsible for locating and installing the control panel unless otherwise specified.



*Jensen Pump Stations recommends that the panel is mounted as close to the wet well as possible to limit voltage loss in cables and provide convenience for continued maintenance.*



*The control panel should be mounted in such a way that twisting and bowing of the enclosure walls does not occur. Inadequate sealing of the door will affect the NEMA rating.*

*Control panels provided with feet/legs are intended to be mounted directly on slab. Any unused mounting holes on the back of the enclosure are to be sealed with Jensen-supplied sealing hardware.*



*This control panel is within view of the wet well and installed at a comfortable working height; about 3'-4' above finish grade.*



***Do not install the enclosure directly on the ground or a concrete slab! Moisture and debris will damage the internal components.***

#### Cable and conduit

- Incoming power is to be landed in the Jensen panel by a qualified electrical contractor/installer.
- Installer must verify that the line voltage and phase match the wiring schematic information provided by the manufacturer (laminated sheets on panel door).
- The electrical contractor is responsible for providing and properly installing all electrical conduits and conduit connections between the pump station and the control panel.
- All low voltage and high voltage cords **MUST** be ran in separate conduits to the control panel.
- All electrical cables must be pulled to the control panel. **If the Jensen-provided cable is too short, contact Jensen for longer leads.**

- A watertight junction box may be used if **ABSOLUTELY** necessary. Use of watertight wire nuts only is not an acceptable watertight connection.
- Conduits must be fitted to panel enclosure with connectors that meet or exceed the NEMA rating of the control panel enclosure.
- All electrical conduits must be sealed according to NEC standards to prevent intrusion of moisture and gases to the panel.
- Unless otherwise specified, a Jensen Pump Technician can assist with the final electrical connections at time of startup/commissioning.



***After cable ends have been pulled to the control panel, excess cable can be coiled and suspended in the wet well on the Jensen-provided hooks.***

Contact Jensen Pump Stations for any questions about the equipment, installation or commissioning services.

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