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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



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## CONTROL PANEL GUIDE SPECIFICATIONS

### RWD Low Pressure Sewer Grinder Pumps



#### 1.01 GENERAL

Contractor shall furnish all labor, materials, equipment, and incidentals required to provide a UL listed pump control panel compatible with the progressing cavity grinder pump specified.

The control panel shall be Zoeller P/N 61204-0001 intended for use with pumps utilizing a wired-in control and alarm switch. The control panel shall be produced by the same manufacturer as the supplied pump so as to ensure compatibility of features and single source responsibility for the equipment provided. The panel shall be of a Simplex (1 pump) configuration.

#### 2.01 CONSTRUCTION

The control panel shall be housed in a NEMA 4X thermoplastic enclosure. The panel shall have a pump circuit breaker, pump run light, and manually activated push-to-run button. The panel shall also contain a high water alarm circuit with light and buzzer, form C dry contacts for remote monitoring, and a test/silence switch. Upon the activation of the high water alarm, the pump circuit will activate and attempt to evacuate wastewater from the basin. An adjustable, continuous, pump-run alarm shall be a standard feature. Unique globe flash variations shall differentiate between alarm functions. The panel will include an RJ45 jack for utilizing the panel's on-line monitoring and reporting features (additional components sold separately). The panel circuitry shall be mounted to a plate which is bolted to the enclosure with 300 series SS fasteners. The enclosure shall have a hinged front cover with lockable hasp. The visual high water alarm shall be a top mounted red beacon with 360 degree visibility. A wiring schematic shall be provided and stored in a plastic packet provided in the enclosure. The schematic is to be an exact representation of the panel circuitry identifying the terminal locations for the pump cord and incoming power connections. All ground wires shall be terminated at the grounding lug furnished inside the enclosure. Contractor is responsible for installing the panel so as to maintain the NEMA 4X rating. All conduit, cord connections, and enclosure openings are to be properly sealed in a manner which prevents any liquids or vapors from entering the enclosure. A properly sized and rated main disconnect switch, separate from the panel, is to be installed by the contractor, per NEC Code.

#### 3.01 OPTIONS

\_\_\_\_\_ Control Panel P/N 61204-0002 having the same features as those listed above plus a 20 amp generator receptacle with automatic transfer switch enabling the utilization of a standby generator.

\_\_\_\_\_ Z Control Gateway P/N 10-4780. Remotely manage device settings, test equipment and receive push notifications regarding the status of the system. Up to 10 monitoring functions can be enabled when utilizing the gateway, which provides either Wi-Fi or ethernet connectivity to an existing router.



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