

# SIMPLEX DUAL SEAL GRINDER PUMP CONTROL PANEL AND ALARM

## APPLICATIONS

Simplex Grinder Pump Control Panels and Alarms are designed exclusively for use with IGPDS Grinder Series pumps in applications such as lift pump chambers and sewage ejector basins

## FEATURES

- Preset seal fail indication circuitry
- Separate control and power circuit breakers
- IEC motor contactor
- Controls the pump and warns of high liquid levels
- Color-coded terminal strip for ease of installation
- Corrosion-resistant NEMA 4X fiberglass, waterproof enclosure with padlock provision
- HOA switch allows for “Hand” (manual), “Off” or “Automatic” operation
- Adjustable overload
- Three floats (sold separately) control ON, OFF, and ALARM functions
- Alarm ON/OFF switch controls the power to audible and visual alarm signal device

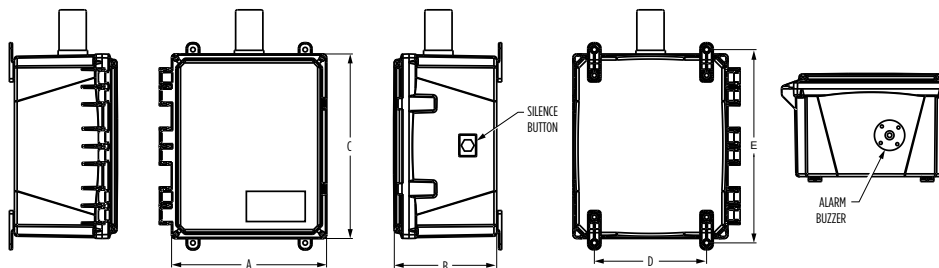


NOTE: 1-phase model contains start and run capacitors and start relay necessary for proper motor operation and third-party approval

## SERIES SPECIFICATIONS

Item No.	Model No.	Volts	Hz	Phase	Pump	Wt. (lbs)
515311	FS230CBG-150801MS1	208/230	60	1	16	13.80
515312	3121W511H5Y17A	208/240/480		3	9.0-14.0	19.25
515313	3121W301H5Y17A	208/240/480		3	4.0-6.3	19.25
515314	3121W205H5Y17A	575		3	3.0-12.0	18.70

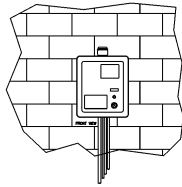
## ENGINEERING DATA



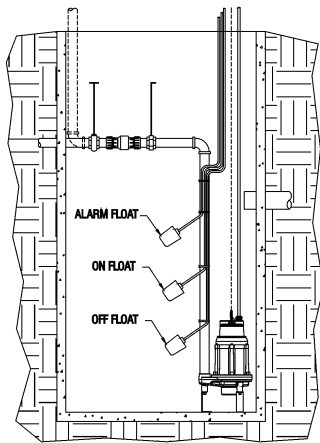
UNIT			MOUNTING	
A	B	C	D	E
10"	6"	12"	7.63"	13.13"

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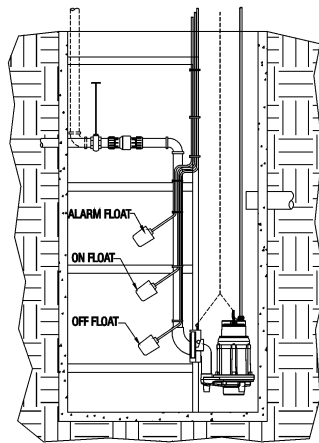
### TYPICAL INSTALLATION



NOTE: Floats must be purchased separately.



TYPICAL DISCONNECT INSTALLATION  
SHOWN WITH LEG KIT



TYPICAL GUIDE RAIL INSTALLATION

### INSTALLATION INSTRUCTIONS

**WARNING: Turn off power source before installing or adjusting this device. Failure to turn off power could result in serious or fatal electric shock.**

1. Determine the mounting location for the control panel. Liquid-tight connectors should be used on all cables entering panel. Conduit connectors, if used, must be sealed.
2. Check local codes, the schematic, and installation/operation manual for power circuit requirements. On the control panel, determine the "power in" location (from the building power supply). **CAUTION: BE SURE THE POWER SUPPLY VOLTAGE AND PHASE ARE THE SAME AS THE PUMP MOTORS BEING INSTALLED.**
3. Determine the location on the control panel for the pump power cables and float switch cables. Drill holes to fit the type of cable fittings to be used.
4. Attach floats as shown in Typical Installation drawing and instruction manual.
5. Following step-by-step instructions and wiring diagram included with panel, complete connections of all cables.
6. Follow "Manual Testing" procedure in instruction manual.

NOTE: Franklin Electric cannot be responsible for damages caused by faulty or negligent installation of the control. We recommend that you engage the services of a competent plumber, electrician or qualified service person to install this product in accordance with national and local electrical codes.

ACCESSORIES: Some installations may require a moisture-free junction box to house electrical connections. These are available with liquid-tight connectors. The liquid-tight connectors are also available separately.