

Hydra® Transducer Panels

Overview:

The Hydra® transducer panels are a complete line of simplex, duplex and triplex control panels that feature a versatile HMI touchscreen controller ideal for sewage, wastewater and dewatering applications. The transducer pump control panels come standard with a painted steel enclosure and a programmable monitoring controller that displays the tank level and pump status.

Features:

- Panel and controls are UL listed for the United States and Canada
- NEMA 3R painted steel enclosure with a lockable latch; Dead front with inner door
- HMI displays tank level, pump run light(s), pump run time(s), cycle count for each pump and HOA selector for each pump
- Simplex adjustable set points: Low Level, Stop, Start, High Level (adjustable lead pump start and stop set points)
- Duplex adjustable set points: Low Level, Stop, Lead, Lag, High Level. Duplex models feature two-pump alternation and high demand two-pump operation (adjustable lead and lag pump start and stop set points)
- Alarm horn sounds at 85 decibels at 10 feet, red beacon alarm light
- Remote monitoring dry contacts: Pump Fault and High Level
- Upgraded pump protection: Motor protective switch(es) (branch circuit protection, adjustable overload and disconnect)
- Pump run data logging: Records each pump event (start time, stop time and run duration)
- Alarm/fault history: Data logging gives access to 250 fault conditions with date and time (optional access to auto-save alarm history to USB drive)
- Advanced communications: Supports Modbus RTU, Modbus TCP and additional communication protocols. Allows for master and slave operation, remote monitoring and control of the pump station
- Multiple access levels for added security



Applications:

- Sewage pump chambers
- Grinder pumps
- Sump pump basins
- Lift stations



Your Trusted Source for Quality Control Panels.®

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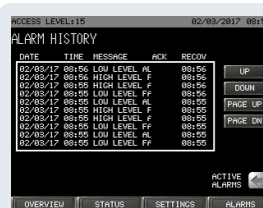
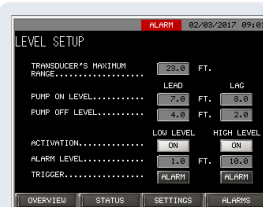
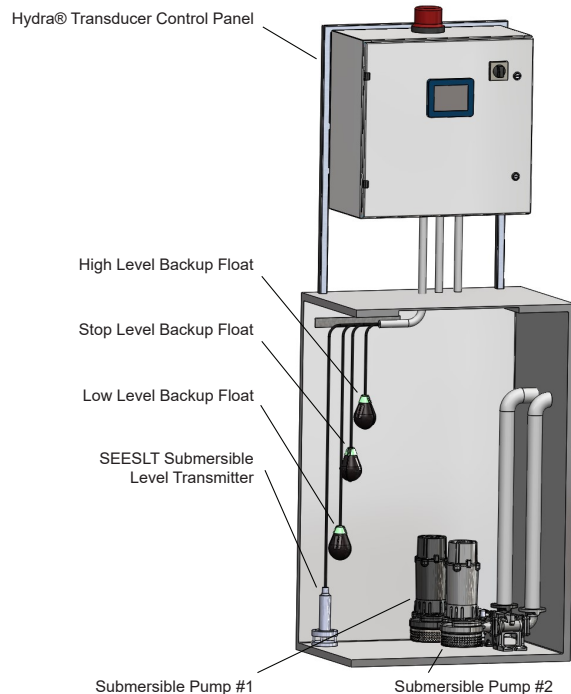
Catalog Model Number Build:

Type	Models	Transducer Options
HTR <input type="checkbox"/> — <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
S = Simplex D = Duplex T = Triplex	11 = 1.25-5.0 FLA (Single Phase) 12 = 3.0-12.0 FLA (Single Phase) 13 = 8.0-32.0 FLA (Single Phase) 31 = 1.25-5.0 FLA (Three Phase) 32 = 3.0-12.0 FLA (Three Phase) 33 = 8.0-32.0 FLA (Three Phase)	5 = 5 PSI, Max Water Level 11 FT, Type: Wastewater 10 = 10 PSI, Max Water Level 23 FT, Type: Wastewater 15 = 15 PSI, Max Water Level 35 FT, Type: Wastewater 20 = 20 PSI, Max Water Level 46 FT, Type: Wastewater 5S = 5 PSI, Max Water Level 11 FT, Type: Water 10S = 10 PSI, Max Water Level 23 FT, Type: Water 15S = 15 PSI, Max Water Level 35 FT, Type: Water 20S = 20 PSI, Max Water Level 46 FT, Type: Water

Options

<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28 = Power On Dry Contacts	PM = Phase Monitoring
300	= Pressure Transducer Stainless Steel 0-300 PSI, 1/4" NPT, 4-20mA output	PX = Pump Portal® Wireless Remote Panel Control and System Monitoring
AH	= Anti-Condensation Heater	SF = Seal Failure Circuit and Indicator Light - Simplex
CO	= Convenience Outlet (User to supply 120 VAC)	SFD = Seal Failure Circuit and Indicator Lights - Duplex
GR	= Generator Receptacle; includes Transfer Switch	SFT = Seal Failure Circuit and Indicator Lights - Triplex
IS	= Intrinsically Safe - Simplex	ST = Upgraded Enclosure (Stainless Steel)
ISD	= Intrinsically Safe - Duplex	S3 = No Transducer or Float Option
IST	= Intrinsically Safe - Triplex	TC = Pump Thermal Cutout Circuit and Indicator - Simplex
LAD /	= Lightning Secondary Surge Arrester	TCD = Pump Thermal Cutout Circuit and Indicator - Duplex
LAW	(LAD Delta / LAW Wye)	TCT = Pump Thermal Cutout Circuit and Indicator - Triplex

Typical Installation of Hydra® Duplex Control Panel



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