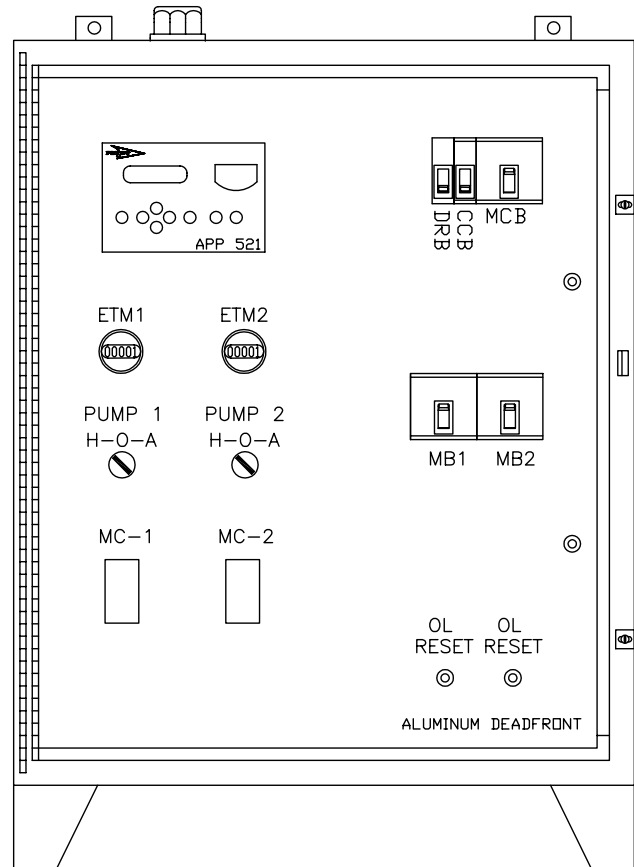




The TOP Station control panel provides a complete solution to the pump station design. These panels are built to UL 508 standards and include the following features:

- Enclosure: NEMA 4X 304 Stainless Steel, with aluminum inner door, padlock hasp, and 12" legs
- ITT-Flygt APP-521 duplex pump station controller, including 24vdc power supply
- ITT-Flygt LS-100 submersible pressure transducer for level control
- ITT-Flygt Mini-CAS 120 relays for pump thermal/seal fail protection
- Square D® FAL series circuit breakers (Main, Pump and Control Power)
- Square D® NEMA rated motor starters, with melting alloy overloads on three phase panels
- Square D® ATV series Variable Frequency Drives for single to three phase conversion on single phase panels
- 2 KVA control power transformer
- Phase Monitor for protection against over/under voltage and phase imbalance
- Hand-Off-Auto switches for each pump
- Current transformers, 1 per pump
- Mechanical Elapsed time meters
- Lightning arrestor
- Red-dome style flashing alarm light
- Duplex GFI receptacle



In addition to the above standard features, the following options are also available*:

- Generator receptacle and Emergency circuit breaker (walking-beam interlocked with Main breaker)
- Square D® ATS series Solid State Motor Starters (for soft start applications)
- ITT Flygt Level Probe and MIO 201 interface module for probe level control system
- ITT Flygt ENM-10 float switches (2) for backup level control (used with analog or probe systems)
- Intrinsically safe barrier for UL 913 requirements
- Alarm Horn or Bell with Alarm silence button
- Anti-condensation heater and thermostat
- ITT Flygt TD-33 telephone modem for telemetry communications
- 12" x 10" space reserved for customer-installed telemetry equipment

*Optional Items may cause increase in enclosure sizing. Consult your ITT-Flygt Sales Representative for details.



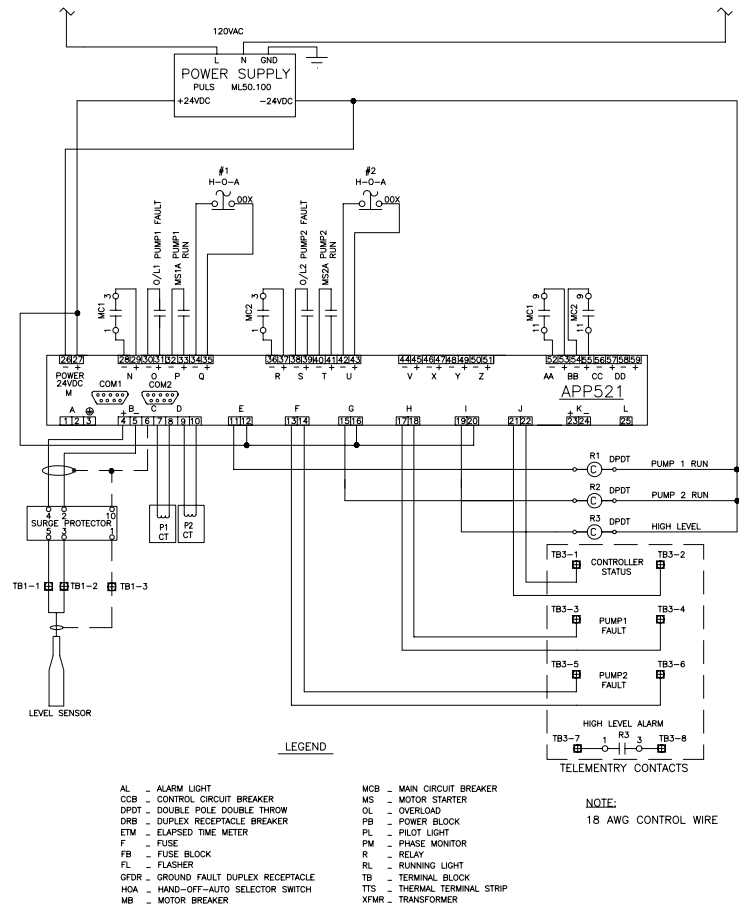
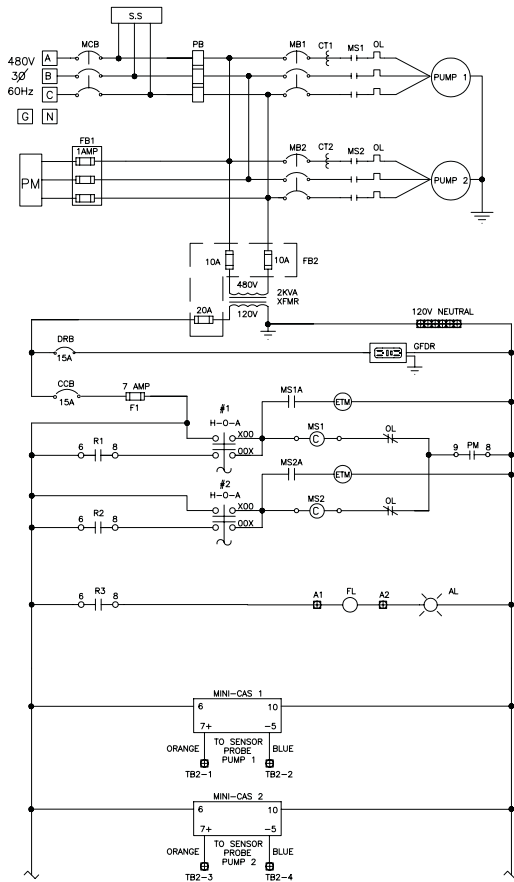
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TOP Station Premium Control Panel

Monitoring and Controls

Issued: 1/08

Supersedes: 10/07



Typical control schematic of Premium feature control panel.

Available in the following configurations:

230VAC, Single Phase Supply (3 Phase Output with VFD)
1.3-5HP 48 x 36 x 12 enclosure

230VAC, 3 Phase Supply (ATL Application)
3-15HP 42 x 30 x 12 enclosure
20-30HP 48 x 36 x 12 enclosure
35-47HP 60 x 36 x 12 enclosure

460VAC, 3 Phase Supply (ATL Application)
3-20HP 42 x 30 x 12 enclosure
15-47HP 48 x 36 x 12 enclosure
60-88HP 60 x 36 x 12 enclosure



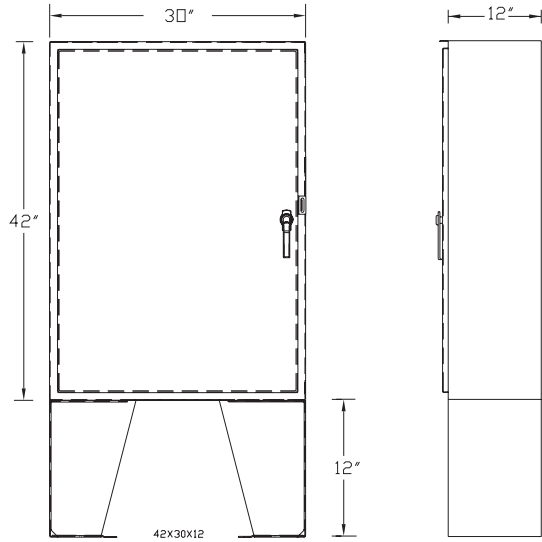
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TOP Station Premium Control Panel

Monitoring and Controls

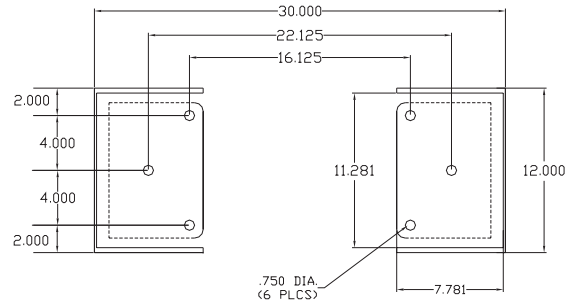
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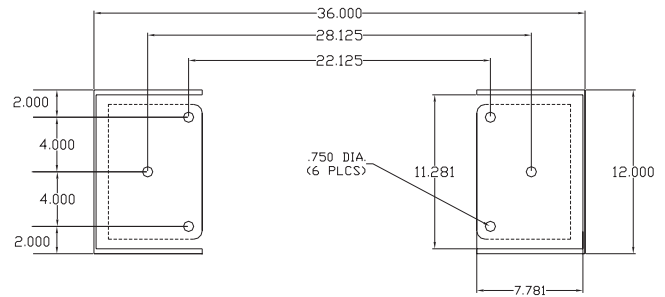
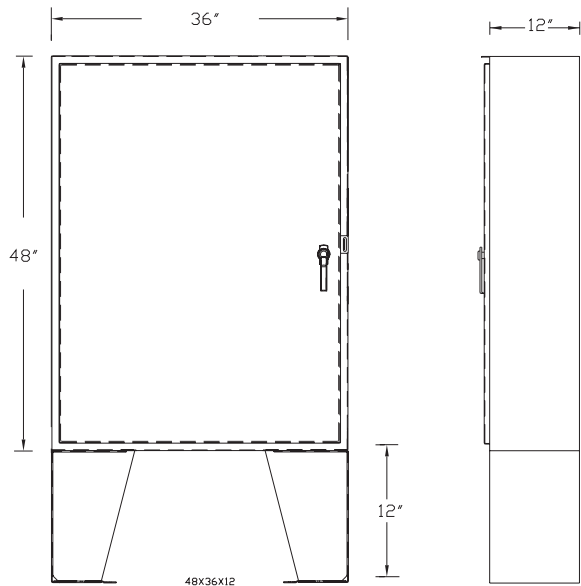


HOLE PATTERN FOR MOUNTING

42X30X12 NEMA-4



TOP DUPLEX CONTROL PANEL
ENCLOSURE SIZE : 42"H X 30"W X 12"D
NEMA 4X ENCLOSURE



TOP DUPLEX CONTROL PANEL
ENCLOSURE SIZE : 48"H X 36"W X 12"D
NEMA 4X ENCLOSURE



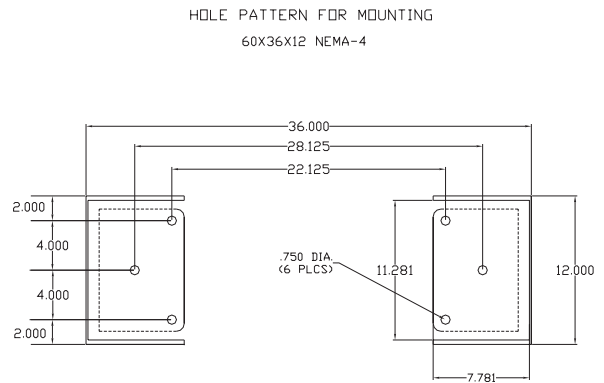
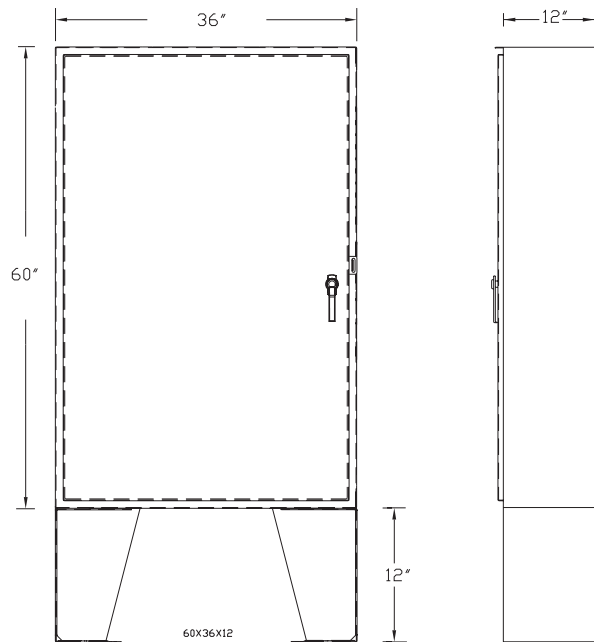
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TOP Station Premium Control Panel

Monitoring and Controls

Issued: 1/08

Supersedes: 10/07



TOP DUPLEX CONTROL PANEL
ENCLOSURE SIZE : 60"H X 36"W X 12"D
NEMA 4X ENCLOSURE

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