



ITT

Flygt

TOP Station Value Control Panel

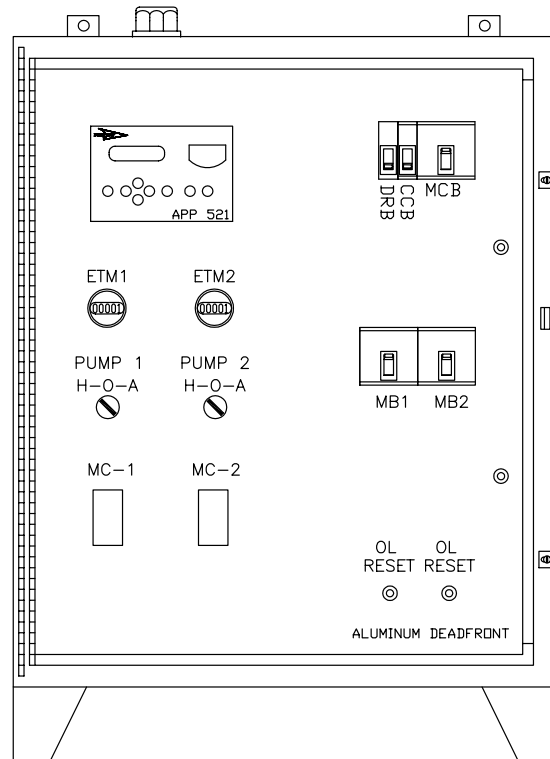
Monitoring and Controls

Issued: 1/08

Supersedes: 10/07

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

- Enclosure: NEMA 4X Fiberglass, with aluminum inner door and padlock hasp
- ITT-Flygt APP-521 duplex pump station controller, including 24vdc power supply
- ITT-Flygt ENM-10 float switches (4) 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® IEC rated motor starters
- Square D® ATV series Variable Frequency Drives for single to three phase conversion on single phase panels
- 500VA 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



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

- 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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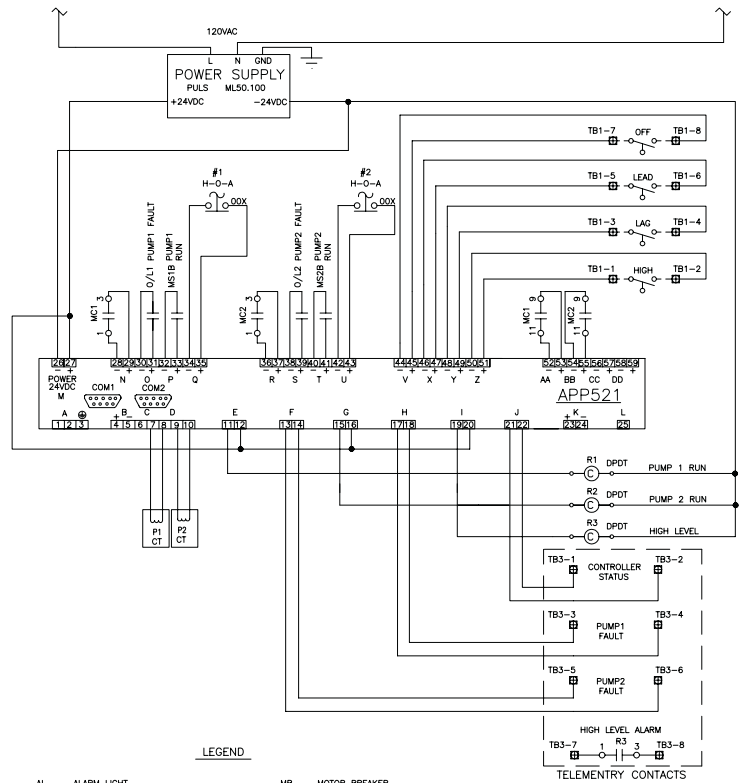
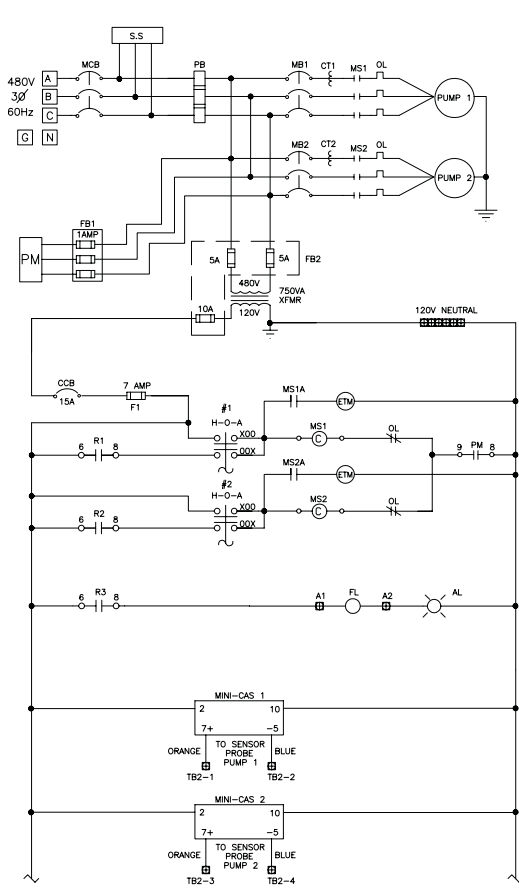
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- LEGEND**
- AL - ALARM LIGHT
 - CCB - CONTROL CIRCUIT BREAKER
 - DPDT - DOUBLE POLE DOUBLE THROW
 - DRB - DUPLEX RECEPTACLE BREAKER
 - ETM - ELAPSED TIME METER
 - F - FUSE
 - FB - FUSE BLOCK
 - FL - FLASHER
 - FR - FLOAT REGULATOR
 - GFRD - GROUND FAULT DUPLEX RECEPTACLE
 - HOA - HAND-OFF-AUTO SELECTOR SWITCH
 - MB - MOTOR BREAKER
 - MCB - MAIN CIRCUIT BREAKER
 - MS - MOTOR STARTER
 - OL - OVERLOAD
 - PB - POWER BLOCK
 - PL - PILOT LIGHT
 - PM - PHASE MONITOR
 - R - RELAY
 - RL - RUNNING LIGHT
 - TB - TERMINAL BLOCK
 - TTS - THERMAL TERMINAL STRIP
 - XFMR - TRANSFORMER

NOTE:
18 AWG CONTROL WIRE

Typical control schematic of standard feature value control panel.

Available in the following configurations:

230VAC, Single Phase Supply (3 Phase Output with VFD)
1.3-5HP 42 x 30 x 12 enclosure

230VAC, 3 Phase Supply
1.3-15HP 42 x 30 x 12 enclosure
20-30HP 48 x 36 x 12 enclosure
35HP 60 x 36 x 12 enclosure

460VAC, 3 Phase Supply
1.3-20HP 42 x 30 x 12 enclosure
25-35HP 48 x 36 x 12 enclosure



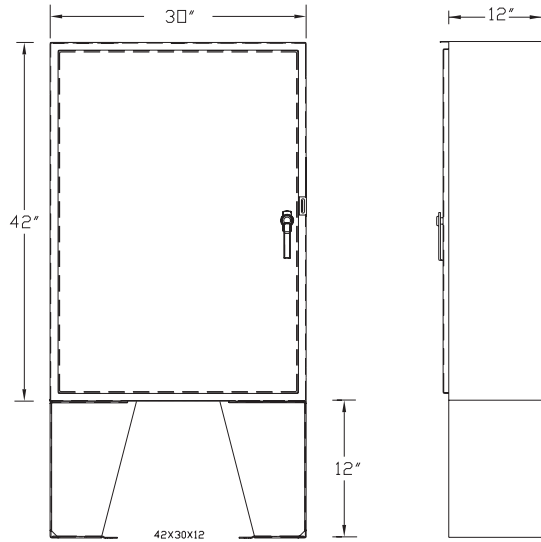
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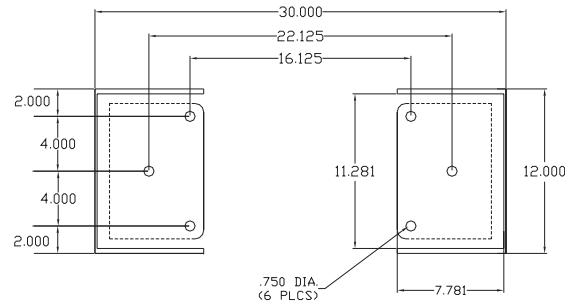
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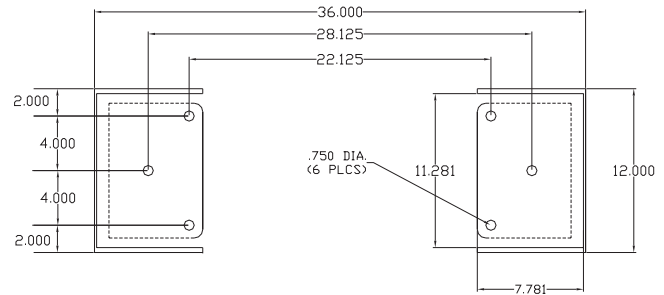
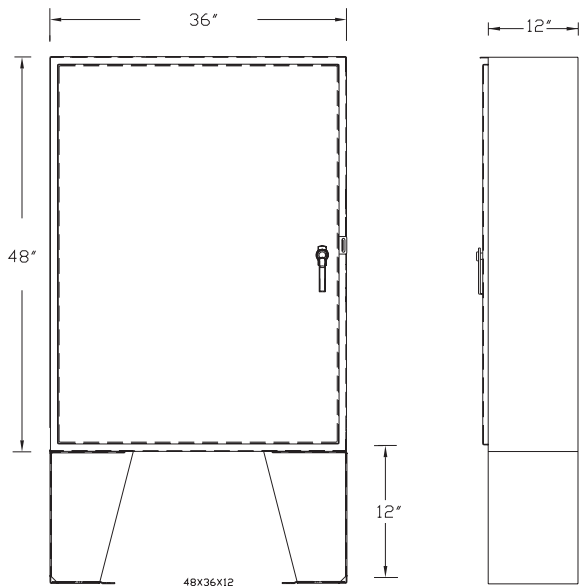


HOLE PATTERN FOR MOUNTING

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



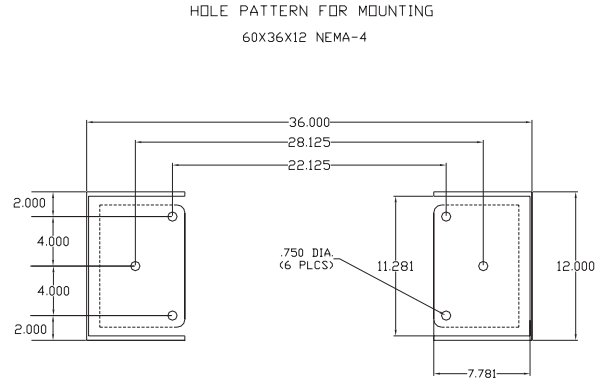
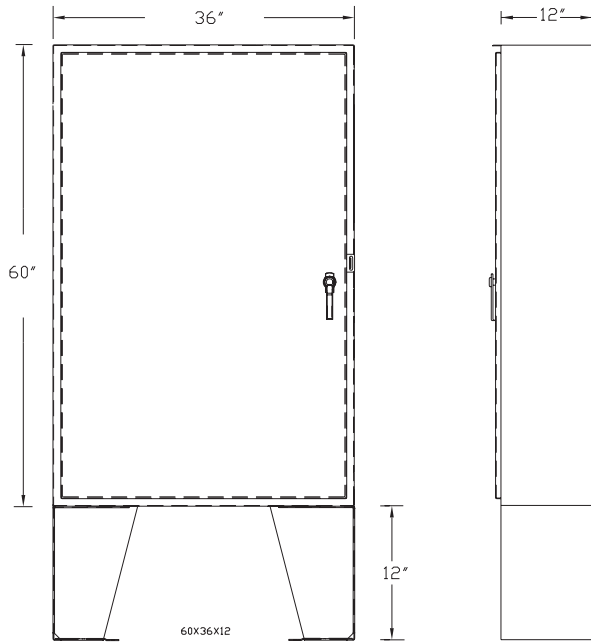
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TOP DUPLEX CONTROL PANEL
ENCLOSURE SIZE : 60"H X 36"W X 12"D
NEMA 4X ENCLOSURE

Flygt is a member of the following Associations:



ITT Flygt Corporation reserves the right to modify performance, specifications or design without notice.

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