



# TORNATECH

Project: \_\_\_\_\_

Customer: \_\_\_\_\_

Engineer: \_\_\_\_\_

Pump Manufacturer: \_\_\_\_\_

## Technical Data Submittal Document

### Model GPD

Diesel Engine Driven Fire Pump Controller



#### Contents:

Data Sheets  
Dimensional Data  
Wiring Schematics  
Field Connections

**Note:** The drawings included in this package are for controllers covered under our standard offering. Actual AS BUILT drawings may differ from what is shown in this package.



N.Y.C.  
APPROVED



June 2022



|  |  |  |
|--|--|--|
| Standard, Listings, Approvals and Certifications | Built to NFPA 20 (latest edition)  |  |
|  | Underwriters Laboratory (UL)   | UL218 - Fire Pump Controllers  |
|  | FM Global  | Class 1321/1323  |
|  | New York City  | Accepted for use in the City of New York by the Department of Buildings  |
|  | <b>Optional</b>  |  |
|  | <input type="checkbox"/> CE Mark   | Various EN, IEC & CEE directives and standards   |
| Enclosure  | <b>Protection Rating</b>   |  |
|  | <input type="checkbox"/> Standard: NEMA 2  |  |
|  | <b>Optional</b>  |  |
|  | <input type="checkbox"/> NEMA 12<br><input type="checkbox"/> NEMA 3<br><input type="checkbox"/> NEMA 3R<br><input type="checkbox"/> NEMA 4   | <input type="checkbox"/> NEMA 4X-304 sst painted<br><input type="checkbox"/> NEMA 4X-304 sst brushed finish<br><input type="checkbox"/> NEMA 4X-316 sst painted<br><input type="checkbox"/> NEMA 4X-316 sst brushed finish |
|  | <div> <div> <b>Accessories</b> <ul style="list-style-type: none"> <li>• Bottom entry gland plate</li> <li>• Lifting Lugs</li> <li>• Keylock handle</li> </ul> </div> <div> <b>Paint Specifications</b> <ul style="list-style-type: none"> <li>• Red RAL3002</li> <li>• Powder coating</li> <li>• Glossy textured finish</li> </ul> </div> </div> |  |
|  | <input type="checkbox"/> IP54<br><input type="checkbox"/> IP55<br><input type="checkbox"/> IP65<br><input type="checkbox"/> IP66   |  |

|                            |  |
|----------------------------|--|
| Ambient Temperature Rating | <b>Standard</b>  |
|                            | <input type="checkbox"/> 4°C to 40°C / 39°F to 104°F   |
|                            | <b>Optional</b><br><input type="checkbox"/> 4°C to 55°C / 39°F to 131°F<br>Controllers built in Dubai, UAE (Tornatech FZE) are supplied standard with 55°C rating. |

|                             |   |   |
|-----------------------------|---|---|
| General                     | AC  | <input type="checkbox"/> 120V / 1ph / 60hz<br><input type="checkbox"/> 208V to 240V / 1ph / 50-60hz |
|                             | DC  | <input type="checkbox"/> 12VDC<br><input type="checkbox"/> 24VDC                                    |
|                             | Grounding system  | • Negative  |
|                             | Battery chargers  | • Two independent fully automatic<br>• 10A continuous charge<br>• 500mA trickle charge              |
| Electrical Reading          | • Battery 1 & Battery 2 voltage<br>• Battery 1 & Battery 2 charging amperage<br>• Charging mode   |   |
| Pressure Reading            | • Continuous system pressure display<br>• Cut-in and cut-out pressure setting   |   |
| Pressure and Event Recorder | • Pressure readings with date stamp<br>• Event recording with date stamp<br>• Under regular maintained operation, events are stored in memory for the life of the controller.<br>• Data viewable on operator interface display screen<br>• Downloadable by USB port to external memory device |   |





|                                    |  |  |  |
|------------------------------------|--|--|--|
| <b>Pressure sensing</b>            | <ul style="list-style-type: none"> <li>• Pressure transducer and run test solenoid valve assembly for fresh water application</li> <li>• Pressure sensing connection 1/2" Female NPT</li> <li>• Drain connection 3/8"</li> <li>• Rated and calibrated for 0-500psi working pressure</li> <li>• Externally mounted with protective cover</li> </ul>   |  |  |
| <b>Audible Alarm</b>               | 6" alarm bell - 85 dB at 10ft. (3m)  |  |  |
| <b>Visual Indications</b>          | <ul style="list-style-type: none"> <li>• Engine run</li> <li>• Main switch AUTO</li> <li>• Main switch in OFF</li> <li>• Main switch in HAND</li> <li>• Periodic test</li> <li>• Cranking Cycle</li> <li>• AC Power available</li> <li>• Pump room temperature (°F or °C)</li> </ul>   |  |  |
| <b>Visual &amp; Audible Alarms</b> | <div>Visual only</div> <ul style="list-style-type: none"> <li>• Pump room trouble</li> <li>• Pump on demand</li> <li>• AC Failure</li> <li>• Charger 1 &amp; 2 Failure</li> <li>• Weak battery 1 &amp; 2</li> <li>• Battery 1 &amp; 2 overvoltage</li> </ul> <div>Visual and Audible</div> <ul style="list-style-type: none"> <li>• Engine trouble</li> <li>• Controller trouble</li> <li>• Engine low oil pressure</li> <li>• Engine high temperature</li> <li>• Engine low temperature</li> <li>• Engine overspeed</li> <li>• DC Failure</li> </ul> <div>Loss of continuity 1 &amp; 2</div> <ul style="list-style-type: none"> <li>• High fuel level</li> <li>• Fuel tank leak</li> <li>• PLD low suction pressure</li> <li>• High raw water temperature</li> <li>• Low pump room temperature</li> </ul> <div>Service required</div> <ul style="list-style-type: none"> <li>• ECM warning</li> <li>• Weekly test cut-in not reached</li> <li>• Check weekly test solenoid</li> <li>• Pressure transducer fault</li> <li>• Invalid Cut-In</li> </ul> <div>Battery 1 &amp; 2 Failure</div> <ul style="list-style-type: none"> <li>• Engine fail to start</li> <li>• Low fuel level</li> <li>• ECM fault</li> <li>• ECM SS in Alternate Position</li> <li>• Fuel injection malfunction</li> </ul> |  |  |
| <b>Remote Alarm Contacts</b>       | <p>DPDT-8A-250V.AC</p> <ul style="list-style-type: none"> <li>• Engine run</li> <li>• Common controller trouble <ul style="list-style-type: none"> <li>• Charger #1 &amp; Charger #2 failure</li> </ul> </li> <li>• Common engine trouble <ul style="list-style-type: none"> <li>• High engine temperature</li> <li>• Fail to start</li> <li>• Fuel injection malfunction**</li> <li>• ECM selector switch in alternate position***</li> </ul> </li> <li>• Common pump room trouble (field re-assignable)* <ul style="list-style-type: none"> <li>• Low fuel level</li> <li>• High fuel level</li> <li>• Fuel tank leak</li> </ul> </li> <li>• H-O-A selector switch in OFF or HAND</li> <li>• Free (field programmable)*</li> </ul> <ul style="list-style-type: none"> <li>• Pressure transducer fault</li> <li>• Battery #1 &amp; battery #2 failure</li> <li>• DC failure</li> <li>• Loss of continuity (starter) #1 and/or #2</li> <li>• PLD low suction pressure</li> <li>• Low pump room temperature</li> <li>• High pump room temperature</li> <li>• AC Failure</li> <li>• Overspeed</li> <li>• Fail when running</li> <li>• Low oil pressure</li> </ul>  |  |  |

\*Except if option C13 is ordered. Tornatech reserves the right to use any of these four alarm points for special specific application requirements

\*\*Applicable to electronic engines only.

\*\*\* Applicable to electronic engines only. Alarms when ECM selector switch on the engine is in alternate mode.



|   |  |  |   |
|---|--|--|---|
| <b>Terminals for Field Connections for External Devices</b> | <ul style="list-style-type: none"><li>• Low fuel level</li><li>• Remote AUTOMATIC start</li><li>• Water reservoir low (re-assignable)</li><li>• Fuel tank leak (re-assignable)</li><li>• High fuel level (re-assignable)</li></ul> |  |   |
| <b>ViZiTouch V2 Operator Interface</b>                      | <ul style="list-style-type: none"><li>• Embedded microcomputer with software PLC logic</li><li>• 7.0” color touch screen (HMI technology)</li><li>• Upgradable software</li><li>• Multi-language</li></ul>                         |  |   |
| <b>Operation</b>  | <b>Selector Switch</b>   | <ul style="list-style-type: none"><li>• Hand-Off-Auto</li><li>• Behind lockable and breakable cover</li></ul>  |   |
|   | <b>Automatic Start</b>   | <ul style="list-style-type: none"><li>• Start on pressure drop</li><li>• Remote start signal from automatic device</li></ul>   |   |
|   | <b>Manual Start</b>  | <ul style="list-style-type: none"><li>• Crank 1 and Crank 2 start pushbuttons</li><li>• Run test pushbutton</li></ul>  |   |
|   | <b>Crank Cycle</b>   | <ul style="list-style-type: none"><li>• 6 consecutive cycle attempts<ul style="list-style-type: none"><li>• 3 X 15s crank from battery 1 or 2 alternatively</li><li>• 15s rest in between each crank attempt</li></ul></li></ul> |   |
|   | <b>Stopping</b>  | <ul style="list-style-type: none"><li>• Manual with Stop pushbutton</li><li>• Automatic after expiration of minimum run timer ****</li></ul>   |   |
|   | <b>Timers</b>  | <b>Field Adjustable &amp; Visual Countdown</b>   | <ul style="list-style-type: none"><li>• Minimum run timer ****(off delay)</li><li>• Sequential start timer (on delay)</li><li>• Periodic test timer</li></ul> |
|   | <b>Actuation</b>   | <b>Visual Indication</b>   | <ul style="list-style-type: none"><li>• Pressure</li><li>• Non-pressure</li></ul>   |
|   | <b>Mode</b>  |  | <ul style="list-style-type: none"><li>• Automatic</li><li>• Non-automatic</li></ul>   |
| <b>Communication Protocol Capability</b>                    | <ul style="list-style-type: none"><li>• Protocol: Modbus</li><li>• Connection type: Shielded female connector RJ45</li><li>• Frame Format: TCP/IP</li><li>• Addresses: See bulletin MOD-GPD</li></ul>                              |  |   |

| <b>Alarm and shutdown schedule</b> |                  | Automatic Start | Manual or Remote Start | Run Test or Periodic Test |
|------------------------------------|------------------|-----------------|------------------------|---------------------------|
|                                    | High Coolant     | Alarm only      | Alarm only             | Shutdown                  |
|                                    | Low Oil Pressure | Alarm only      | Alarm only             | Shutdown                  |
|                                    | Overspeed        | Shutdown        | Shutdown               | Shutdown                  |

|                  | <b>Wall Mount</b>                           |                                     | <b>Floor Mount</b>                         |                                     |
|------------------|---|-------------------------------------|--|-------------------------------------|
| Starting Voltage | Approx. shipping dimensions in inches (mm)  | Approx. Shipping Weight in Lbs (kg) | Approx. shipping dimensions in inches (mm) | Approx. Shipping Weight in Lbs (kg) |
| 12V.DC           | 32" l x 29" w x 16" h<br>(813 x 737 x 407 ) | 85 (39)                             | 32" l x 29" w x 26" h<br>(813 x 737 x 661) | 115 (52)                            |
| 24V.DC           |   |                                     |  |                                     |

\*\*\*\* Automatic shutdown shall be approved by the AHJ.



|                          |     |   |
|--------------------------|-----|---|
| <input type="checkbox"/> | A1  | Periodic test alarm contact (DPDT)  |
| <input type="checkbox"/> | A2  | Overspeed alarm contact (DPDT)  |
| <input type="checkbox"/> | A3  | Low oil pressure alarm contact (DPDT)   |
| <input type="checkbox"/> | A4  | High coolant temperature alarm contact (DPDT)                                   |
| <input type="checkbox"/> | A5  | Failure to start alarm contacts alarm contact (DPDT)                            |
| <input type="checkbox"/> | A6  | Battery 1 & 2 failure alarm contact (2 x DPDT)                                  |
| <input type="checkbox"/> | A7  | Charger 1 & 2 failure alarm contact (2 x DPDT)                                  |
| <input type="checkbox"/> | A8  | AC failure alarm contact (DPDT)   |
| <input type="checkbox"/> | A9  | System overpressure alarm contact (For engines with PLD) (DPDT)                 |
| <input type="checkbox"/> | A11 | Extra controller trouble alarm contact (DPDT)                                   |
| <input type="checkbox"/> | A12 | Extra engine trouble alarm contact (DPDT)                                       |
| <input type="checkbox"/> | Ax  | Additional engine alarm contact (DPDT) (specify function)                       |
| <input type="checkbox"/> | B1  | Low fuel level alarm contact (DPDT)   |
| <input type="checkbox"/> | B2  | Water reservoir level low alarm contact (DPDT)                                  |
| <input type="checkbox"/> | B3  | Water reservoir empty alarm contact (DPDT)                                      |
| <input type="checkbox"/> | B4  | Low pump room temperature alarm contact (DPDT)                                  |
| <input type="checkbox"/> | B5  | High fuel level alarm contact (DPDT)  |
| <input type="checkbox"/> | B6  | Low system (discharge) pressure alarm contact (DPDT)                            |
| <input type="checkbox"/> | B7  | Low suction pressure alarm contact (DPDT)                                       |
| <input type="checkbox"/> | B8  | Pump on demand alarm contact (DPDT)   |
| <input type="checkbox"/> | B9  | Fuel tank leak alarm contact (DPDT)   |
| <input type="checkbox"/> | B10 | Main relief valve open alarm contact (DPDT)                                     |
| <input type="checkbox"/> | B11 | Flow meter loop valve open alarm contact (DPDT)                                 |
| <input type="checkbox"/> | B12 | Water reservoir level high alarm contact (DPDT)                                 |
| <input type="checkbox"/> | B13 | High pump room temperature alarm contact (DPDT)                                 |
| <input type="checkbox"/> | Bx  | Additional pump room alarm contact (DPDT) (specify function)                    |
| <input type="checkbox"/> | C5  | CE Mark with factory certificate  |
| <input type="checkbox"/> | C6  | Nickel – cadmium battery chargers (Battery data sheet required)                 |
| <input type="checkbox"/> | C7  | Engine block heater circuit - 3KW max (same voltage as battery charger primary) |

|                          |      |  |
|--------------------------|------|--|
| <input type="checkbox"/> | C7A  | Engine block heater circuit - 6KW max (same voltage as battery charger primary) Confirm power rating of block heater       |
| <input type="checkbox"/> | C9   | Non pressure actuated controller w/o pressure transducer and run test solenoid valve                                       |
| <input type="checkbox"/> | C13  | Louver activation circuit (battery power specific)   |
| <input type="checkbox"/> | C14  | Delayed automatic start on AC power failure (factory set at 15 minutes)  |
| <input type="checkbox"/> | C15  | Low zone pump control function   |
| <input type="checkbox"/> | C16  | Middle zone pump control function  |
| <input type="checkbox"/> | C17  | High zone pump control function  |
| <input type="checkbox"/> | C19  | Lockout/interlock circuit from equipment installed inside the pump room  |
| <input type="checkbox"/> | D4   | Pressure transducer and run test solenoid valve for fresh water rated for 0-500psi (for factory calibration purposes only) |
| <input type="checkbox"/> | D6   | Pressure transducer and run test solenoid valve for sea water rated for 0-500PSI   |
| <input type="checkbox"/> | D7A  | Low fuel level float switch supplied as separate item (1-1/4")   |
| <input type="checkbox"/> | D7B  | Low fuel level float switch supplied as separate item (1-1/2")   |
| <input type="checkbox"/> | D8A  | High fuel level float switch supplied as separate item (1-1/4")  |
| <input type="checkbox"/> | D8B  | High fuel level float switch supplied as separate item (1-1/2")  |
| <input type="checkbox"/> | D9A  | Anti-condensation heater & thermostat  |
| <input type="checkbox"/> | D9B  | Anti-condensation heater & humidistat  |
| <input type="checkbox"/> | D9C  | Anti-condensation heater & thermostat & humidistat   |
| <input type="checkbox"/> | D11  | Low suction pressure transducer for fresh water rated at 0-300PSI with visual indication and alarm contact                 |
| <input type="checkbox"/> | D11A | Low suction pressure transducer for sea water rated at 0-300PSI with visual indication and alarm contact                   |
| <input type="checkbox"/> | D12  | Tropicalization  |
| <input type="checkbox"/> | D25  | Mounting stand   |
| <input type="checkbox"/> | D25A | Mounting stand SST- 304 painted  |
| <input type="checkbox"/> | D25B | Mounting stand SST- 304 brushed finish   |
| <input type="checkbox"/> | D25C | Mounting stand SST- 316 painted  |
| <input type="checkbox"/> | D25D | Mounting stand SST- 316 brushed finish   |
| <input type="checkbox"/> | D26  | Combined low and high fuel level float switch (1-1/4")   |

Note: Options chosen from this page are not electrically represented on the wiring schematics in this submittal package.



|                          |      |  |
|--------------------------|------|--|
| <input type="checkbox"/> | D26A | Combined low and high fuel level float switch (1-1/2")                             |
| <input type="checkbox"/> | D27  | Fuel level probe (2") Level indication   |
| <input type="checkbox"/> | D28A | Field programmable I/O board - 5 Input / 5 output                                  |
| <input type="checkbox"/> | D30  | Redundant pressure transducer for fresh water rated for 0-500PSI                   |
| <input type="checkbox"/> | D31  | Redundant pressure transducer for sea water rated for 0-500PSI                     |
| <input type="checkbox"/> | D32  | Modbus with RTU frame format and RS485 connection                                  |
| <input type="checkbox"/> | D35  | Seismic Certification compliant to CBC 2019, IBC 2018 rigid base/wall mounted only |
| <input type="checkbox"/> | D38  | Special Seismic Certification compliant to OSHPD rigid base/wall mounted only      |

|                          |     |  |
|--------------------------|-----|--|
| <input type="checkbox"/> | L01 | Other language and English (bilingual) |
| <input type="checkbox"/> | L02 | French                                 |
| <input type="checkbox"/> | L03 | Spanish                                |
| <input type="checkbox"/> | L04 | German                                 |
| <input type="checkbox"/> | L05 | Italian                                |
| <input type="checkbox"/> | L06 | Polish                                 |
| <input type="checkbox"/> | L07 | Romanian                               |
| <input type="checkbox"/> | L08 | Hungarian                              |
| <input type="checkbox"/> | L09 | Slovak                                 |
| <input type="checkbox"/> | L10 | Croatian                               |
| <input type="checkbox"/> | L11 | Czech                                  |
| <input type="checkbox"/> | L12 | Portuguese                             |
| <input type="checkbox"/> | L13 | Dutch                                  |
| <input type="checkbox"/> | L14 | Russian                                |
| <input type="checkbox"/> | L15 | Turkish                                |
| <input type="checkbox"/> | L16 | Swedish                                |
| <input type="checkbox"/> | L17 | Bulgarian                              |
| <input type="checkbox"/> | L18 | Thai                                   |
| <input type="checkbox"/> | L19 | Indonesian                             |
| <input type="checkbox"/> | L20 | Slovenian                              |
| <input type="checkbox"/> | L21 | Danish                                 |
| <input type="checkbox"/> | L22 | Greek                                  |
| <input type="checkbox"/> | L23 | Arabic                                 |
| <input type="checkbox"/> | L24 | Hebrew                                 |
| <input type="checkbox"/> | L25 | Chinese                                |

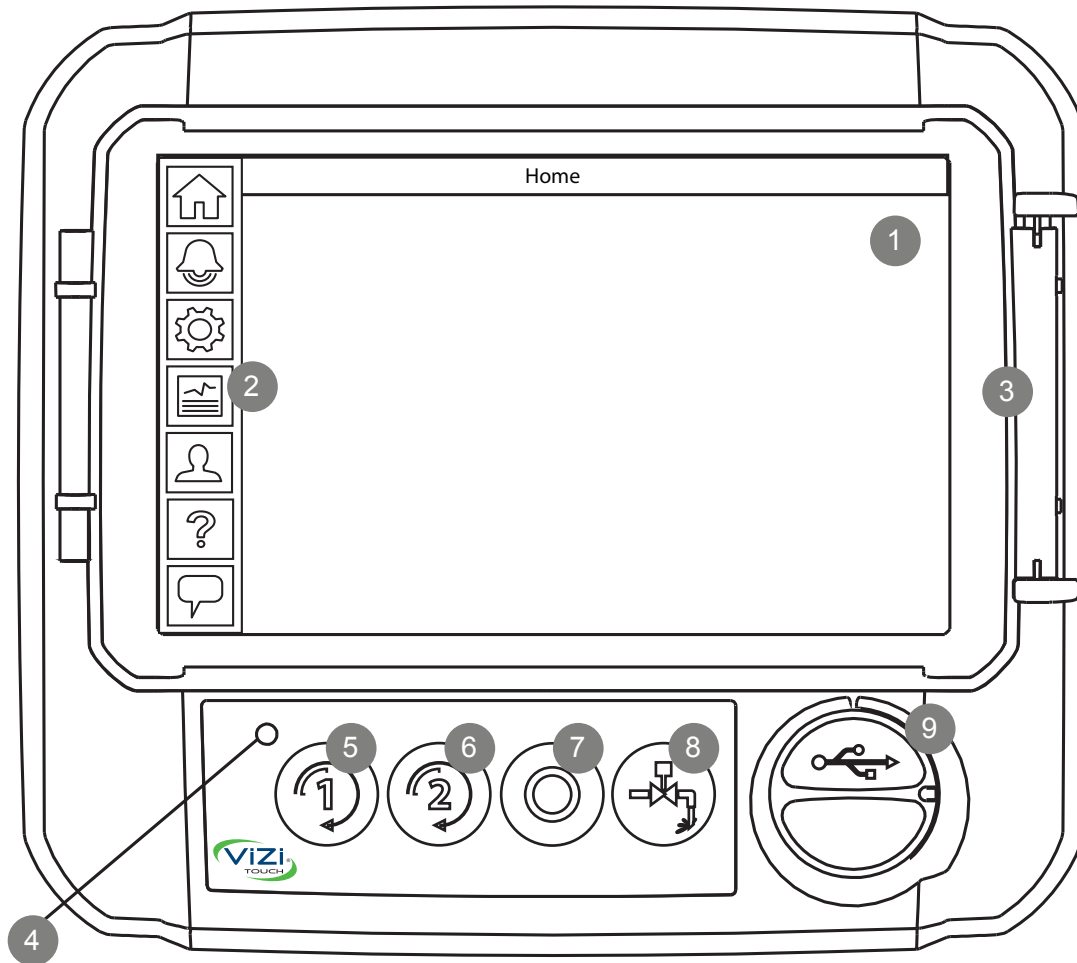
Additional Options:

|                          |       |
|--------------------------|-------|
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |

Note: Options chosen from this page are not electrically represented on the wiring schematics in this submittal package.



#### ViZiTouch V2 Operator Interface



1 - Color touch screen

2 - Onscreen menu

- HOME page
- ALARM page
- CONFIGURATION page
- HISTORY page
- SERVICE page
- MANUAL page
- LANGUAGES page

3 - Screen protector

4 - Power LED (3 colors)

5 - CRANK 1 button

6 - CRANK 2 button

7 - STOP button

8 - RUN TEST button

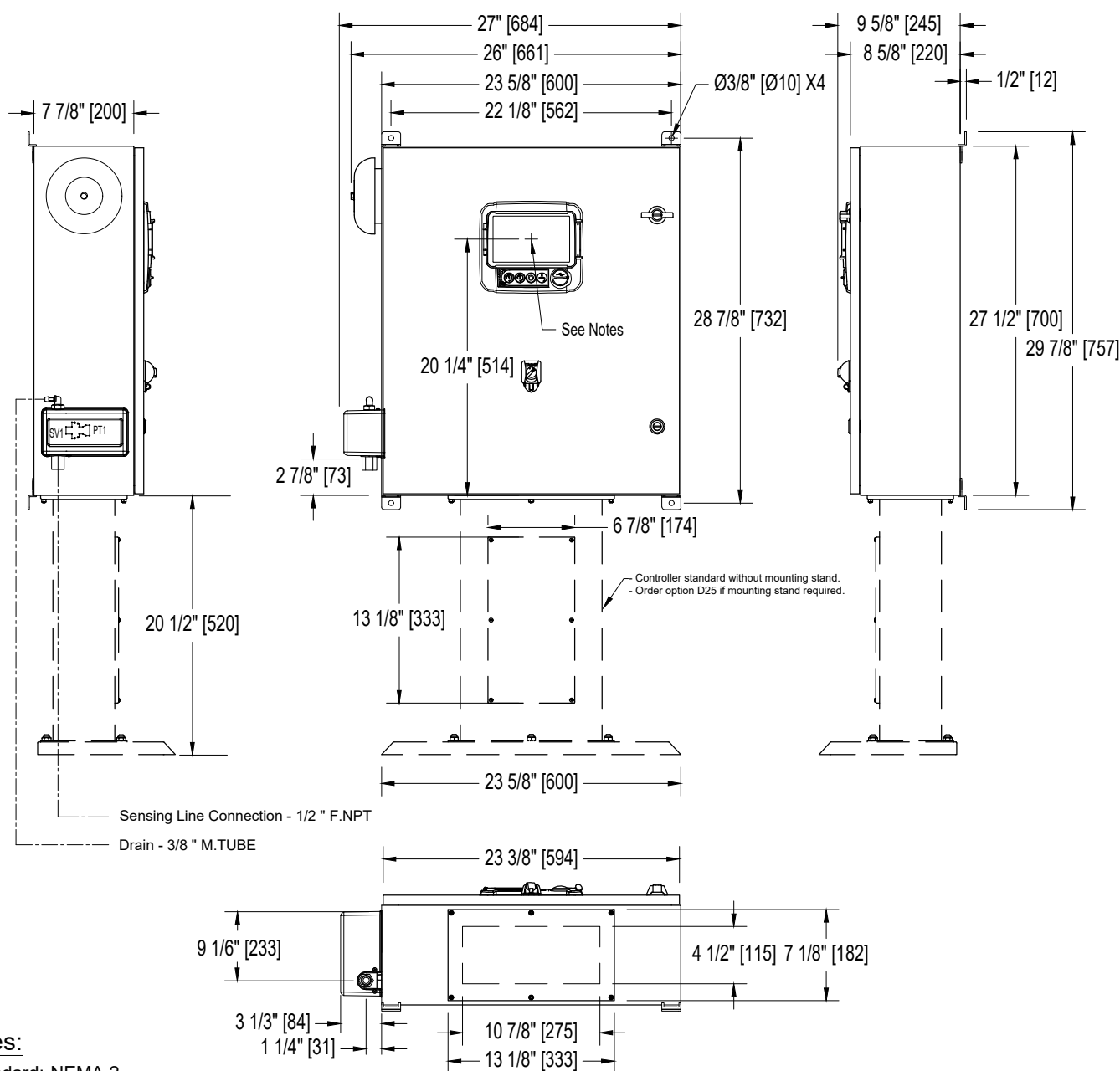
9 - USB port

12Vdc or 24Vdc Negative Ground

Model: GPD

## Dimensions

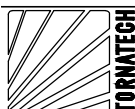
Built to the latest edition of the NFPA 20 standard



Notes:

- Standard: NEMA 2
- Standard paint : textured red RAL 3002.
- All dimensions are in inches [millimeters].
- Center of ViZiTouCh screen: 20-1/4" [514] from bottom (no feet).
- Bottom conduit entrance through removable gland plate recommended.
- Use watertight conduit and connector only.
- Protect equipment against drilling chips.
- Door swing equal to door width.

Drawing for information only.  
 Manufacturer reserves the right to modify this drawing without notice.  
 Contact manufacturer for "As Built" drawing.



| REV. | DESCRIPTION                     | DD/MM/YY | Drawing number |
|------|---------------------------------|----------|----------------|
| 2.   | Removed Seismic logo (optional) | 18/05/22 | GPD-DI700 /E   |
| 1.   | Revised logo                    | 18/06/18 |                |
| 0.   | First issue                     | 18/11/16 |                |

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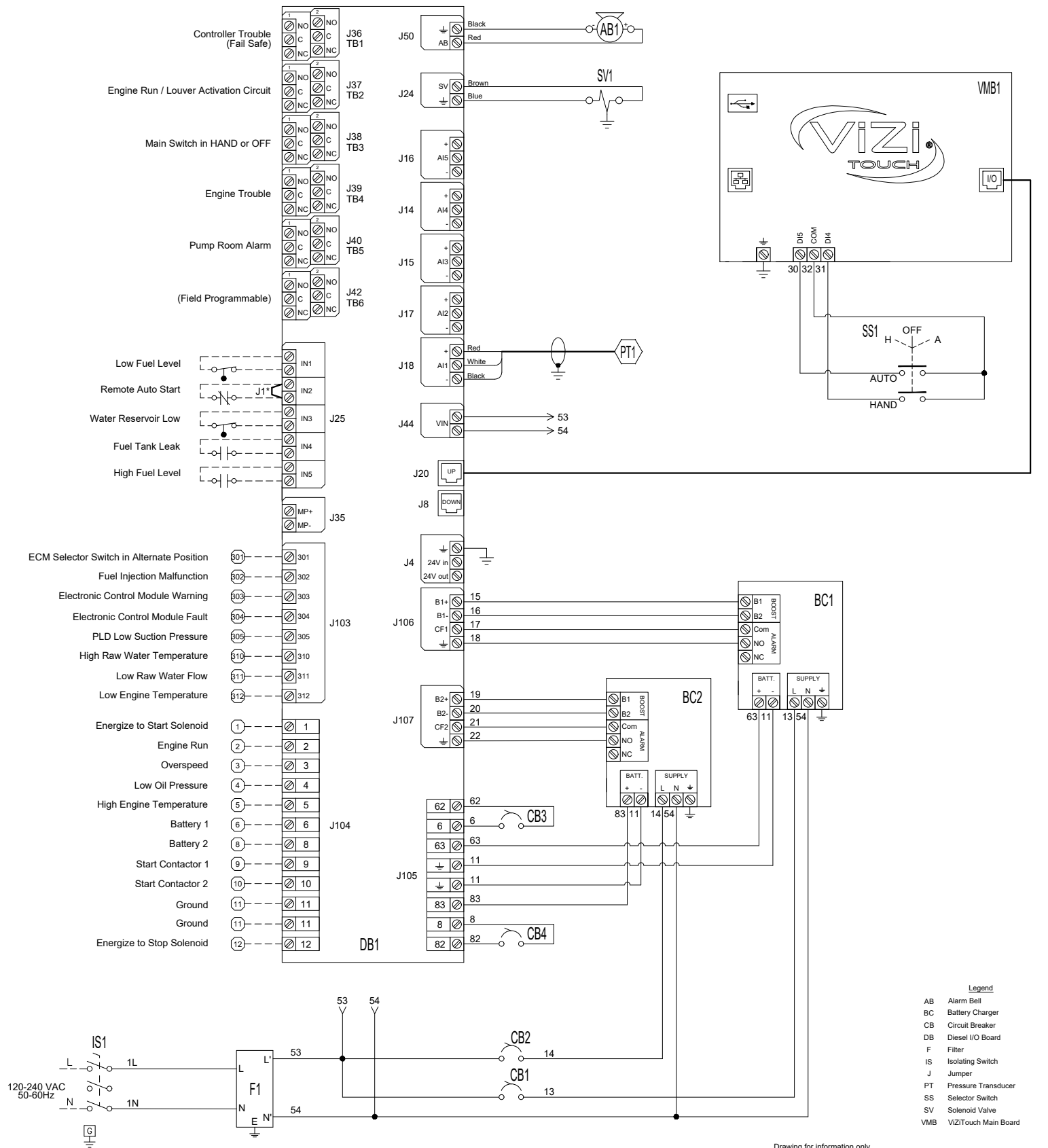
Diesel Engine Fire Pump Controller

12VDC or 24VDC Negative Ground

Wiring schematic

Model: GPD

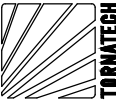
Built to the latest edition of the NFPA 20 standard



\* Remove jumper to use this feature

Drawing for information only.  
Manufacturer reserves the right to modify this drawing without notice.  
Contact manufacturer for "As Built" drawing.

| REV. | DESCRIPTION                     | DD/MM/YY | Drawing number |
|------|---------------------------------|----------|----------------|
| 4    | Removed Seismic logo (optional) | 18/05/22 | GPD-WS700 /E   |
| 3    | Water Reservoir Modified        | 04/04/19 |                |
| 2    | Revised logo                    | 18/06/18 |                |



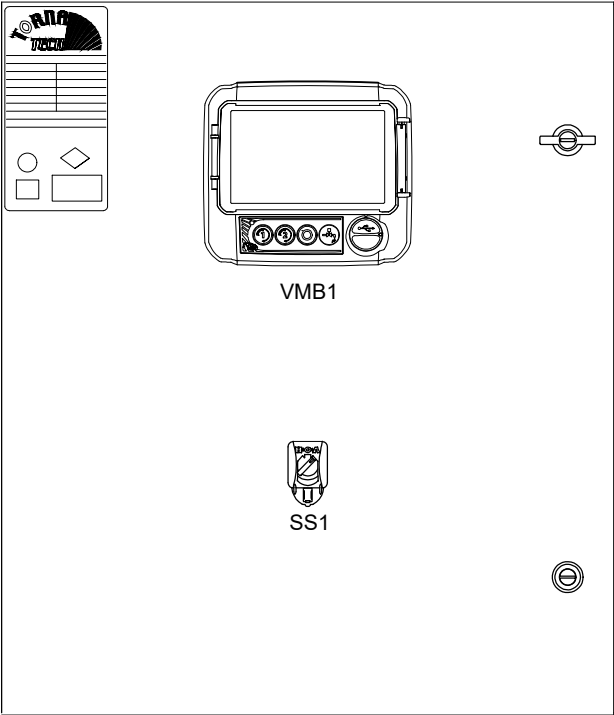
Diesel Engine Fire Pump Controller  
12VDC or 24VDC Negative Ground

Model: GPD

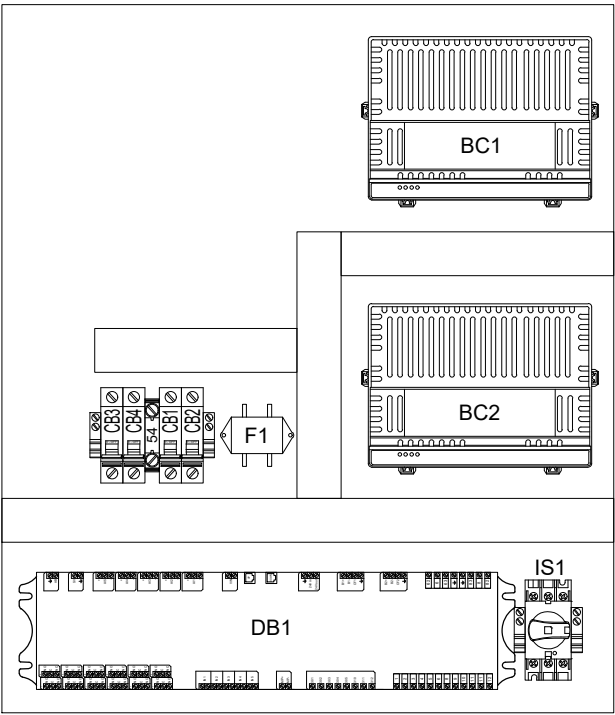
Layout

Built to the latest edition of the NFPA 20 standard

| Designation | Description                         |
|-------------|-------------------------------------|
| BC1-BC2     | Battery Charger #1 and #2           |
| CB1-2       | Magnetic Breaker 1 Pole 10 A        |
| CB3-4       | Magnetic Breaker 1 Pole 16 A        |
| DB1         | I/O Diesel Board                    |
| F1          | Filter                              |
| IS1         | Isolating Switch                    |
| SS1         | Lockable 3 Position Selector Switch |
| VMB1        | ViZiTouch Main Board                |



Front Door Layout



Internal Layout

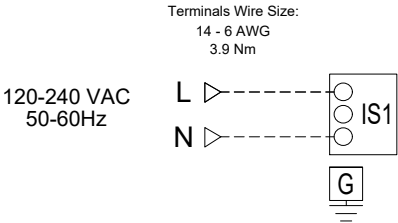
Diesel Engine Fire Pump Controller
12VDC or 24VDC Negative Ground

Model: GPD

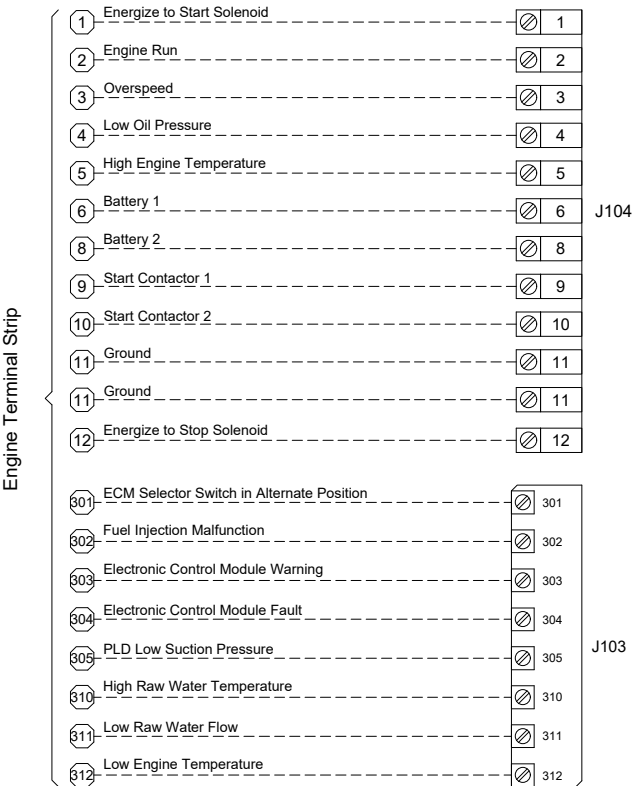
Terminal Diagram

Built to the latest edition of the NFPA 20 standard

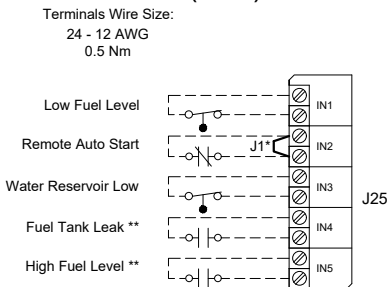
Power Supply



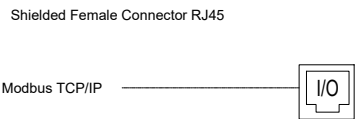
Engine Connections (DB1)



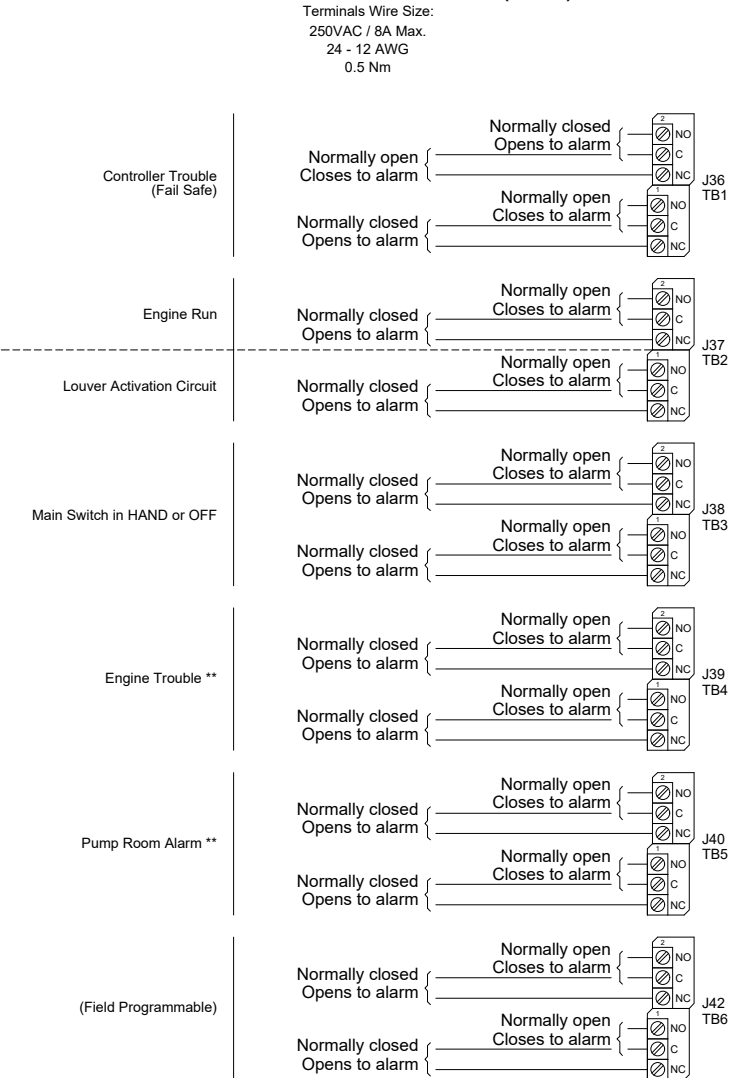
Field Connections (DB1)



Network Connection (VMB1)



Remote Alarm Terminals (DB1)



All wiring between the controller and diesel engine shall be stranded (NFPA20)

Wiring between controller and engine (terminals 301, 302, 303, 304, 305, 310, 311, 312, 2, 3, 4, 5) must be #14AWG as minimum.

Wiring between controller and engine (terminals 12 [rated at 10A or 22A for 20 seconds] 1, 9, 10 [rated at 10A]) must be stranded #10AWG as minimum.

Wiring between controller and engine (terminals 6, 8, 11 [rated at 30A]) must be stranded and sized according to distance.

- 0-5' (0-1.5m) - 12 AWG (4 mm2)
- 6-10' (1.8-3m) - 10 AWG (6 mm2)
- 11-15' (3.3-4.5m) - 8 AWG (10 mm2)
- 16-20' (4.8-6m) - 2x10 AWG (2x6 mm2)
- 21-32' (6.4-9.75m) - 2x8 AWG (2x10 mm2)

Drawing for information only. Manufacturer reserves the right to modify this drawing without notice. Contact manufacturer for "As Built" drawing.

\* Remove jumper to use this feature

\*\* Re-assignable



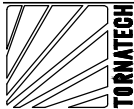
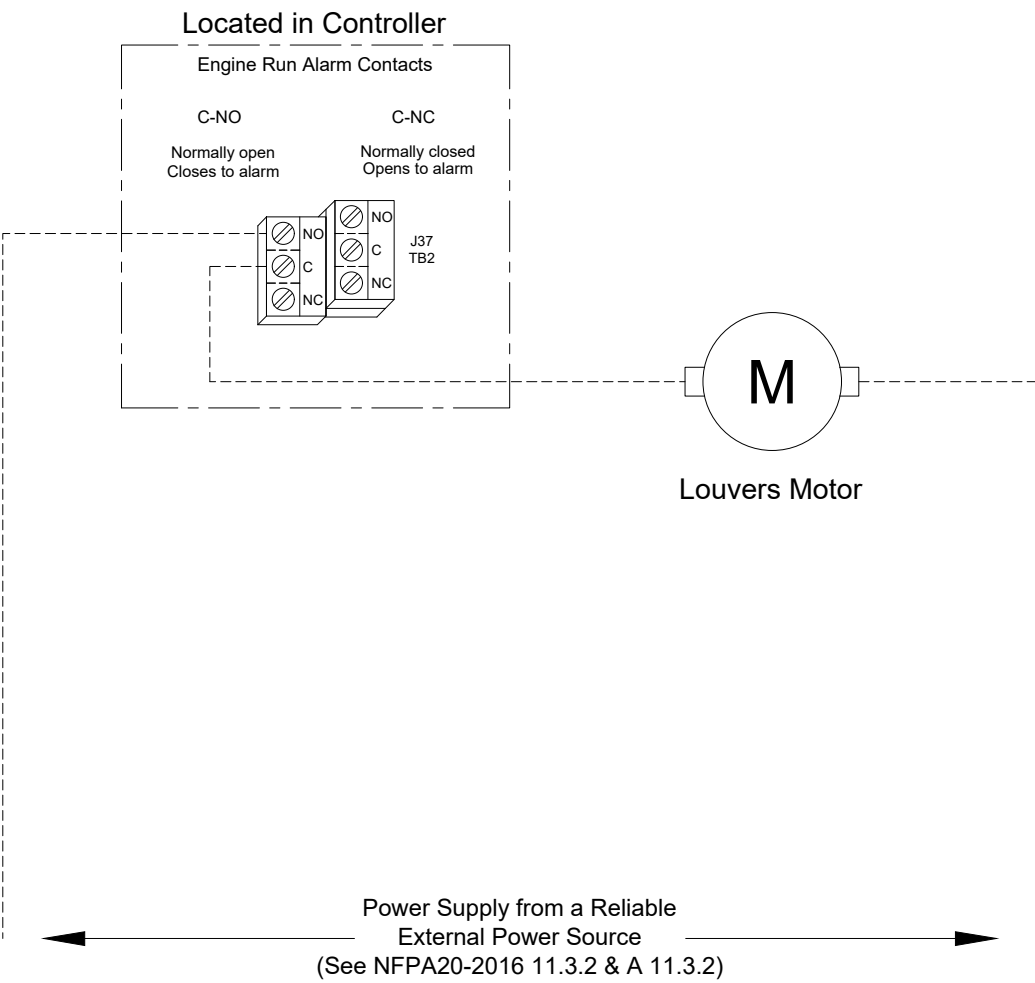
| REV. | DESCRIPTION                     | DD/MM/YY | Drawing number |
|------|---------------------------------|----------|----------------|
| 4    | Removed Seismic logo (optional) | 18/05/22 | GPD-TD700 /E   |
| 3    | Revised text                    | 22/07/21 |                |
| 2    | Revised IN3                     | 22/05/19 |                |

Diesel Engine Fire Pump Controller  
12VDC or 24VDC Negative Ground

Model: GPD

Louver Connection

Built to the latest edition of the NFPA 20 standard



| REV. | DESCRIPTION                     | DD/MM/YY | Drawing number |
|------|---------------------------------|----------|----------------|
| 2    | Removed Seismic logo (optional) | 18/05/22 | GPD-TD701 /E   |
| 1    | Revised logo                    | 18/06/18 |                |
| 0    | First issue                     | 10/11/16 |                |