

IND Series

Electric Motor Driven and Diesel Engine Driven Fire Pump Controllers for Industrial Applications



- Oil & Gas
- Mining
- Power Generation
- Offshore
- Chemical



STANDARD, CERTIFICATION, LISTING AND APPROVAL

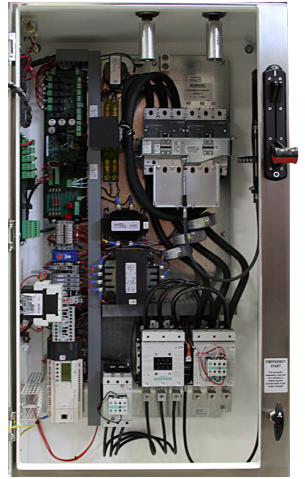


ENCLOSURE

- NEMA 3, 3R, 12, 4
- NEMA 4X
 - 304 stainless steel
 - 316 stainless steel
 - painted
 - brushed finish
- Paint Specifications
 - Red RAL3002
 - Powder coating
 - Glossy textured finish
 - Optional
 - Different color systems (PMS, Munsell)
 - Different coating system

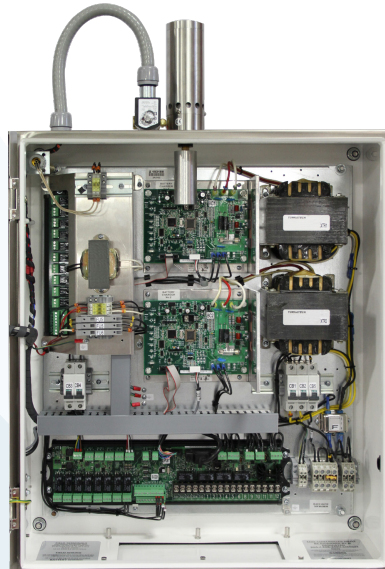
AMBIENT INSTALLATION TEMPERATURES

- Standard: 5°C to 40°C / 41°F to 104°F
- Optional: 5°C to 50°C / 41°F to 122°F
 - 5°C to 55°C / 41°F to 131°F
 - Types of cooling
 - Vortex
 - Air conditioning unit



SECONDARY STARTING METHODS FOR DIESEL ENGINE DRIVEN FIRE PUMP CONTROLLERS

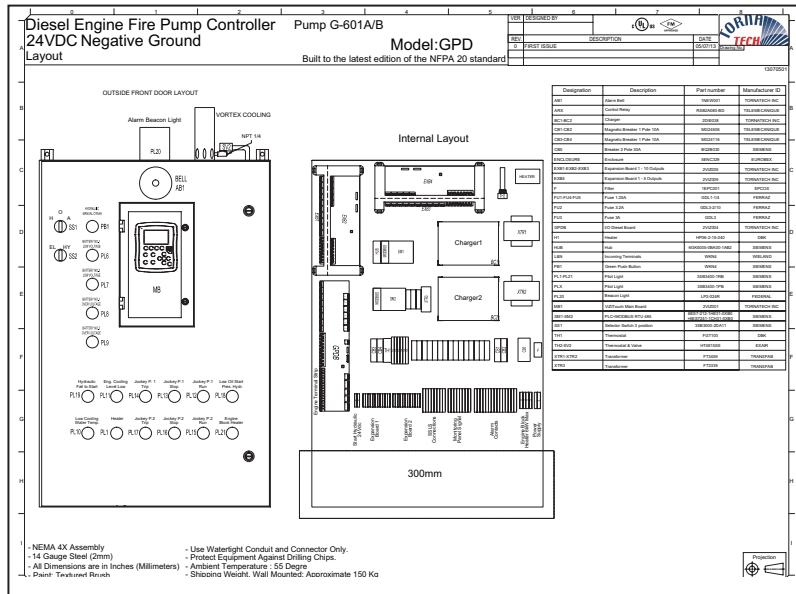
- Primary: Battery
- Secondary: Hydraulic or Pneumatic
 - Manual operation (only)
 - Automatic cranking after primary (battery) fail to start
 - Special customer sequence





COMMUNICATION PROTOCOL

- Modbus
- BACnet
- Profibus
- Other
- Connection types
 - TCP/IP
 - RTU
- Redundancy



DRAWINGS AND DOCUMENTATION

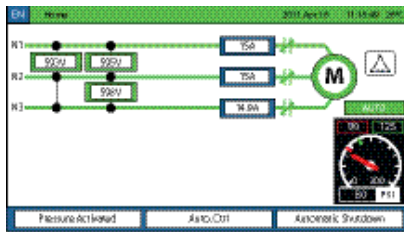
- Customized I/O&M
- Drawings available in .pdf and AutoCAD
- 3D modeling available
- Custom drawings include
 - Tagging
 - Voltage rating (if applicable)
 - Amperage ratings (if applicable)
 - Terminals
 - Size & torque requirements
 - Internal and external layout
 - Bill of Material

OTHER FEATURES

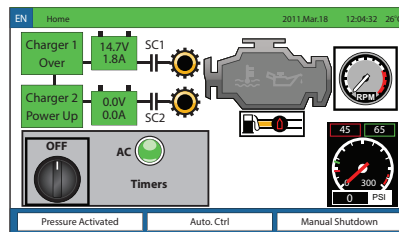
- Stainless steel labels / tags
- Externally mounted wetted parts
- Internal lighting
- Redundant start/stop pushbuttons
- Redundant pressure transducer
- Custom messages



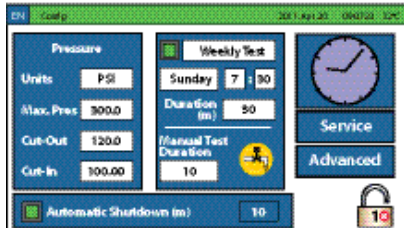
Electric Fire Pump Controller



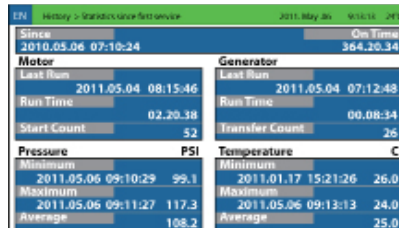
Diesel Fire Pump Controller



Settings



History / Statistics



VIZITouch major features include:

- Touch screen operation with 4.2" color display and intuitive graphics
- Expandable storage
- Multi-language
- Upgradable software
- Password protected

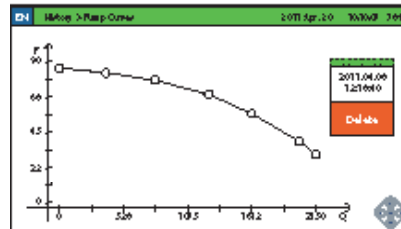
Events

EN	History > Settings		2011.04.22 10:00 20°C
	Date	Time	Message
1	2011.04.22	14:18:20	User 9 Logger In
2	2011.04.22	15:59:27	Under Voltage OCCURED
3	2011.04.22	15:59:27	Under Voltage INA CTIVE
4	2011.04.22	13:58:21	IOExp1 CommError ACTIVE
5	2011.04.22	13:54:25	AlarmResetted
6	2011.04.22	13:54:06	A.R. 15 Tripped/Open OCCURED
7	2011.04.22	13:54:06	Control Voltage Returned
8	2011.04.22	13:54:06	User 9 Logger Off
9	2011.04.22	13:54:06	AlarmResetted
10	2011.04.22	13:54:06	IOTr.Sw. CommError OCCURED

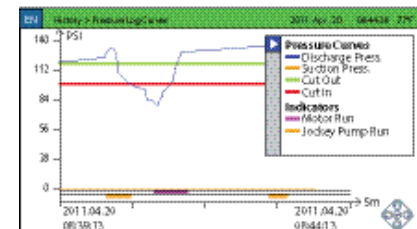
Service



Pump Curves



Pressure Curves



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