UL LISTED
DIESEL ENGINE
MICROPROCESSOR
BASED CONTROLLER

MODEL NFY-DM1

STANDARD FEATURES
- System error alarm / indicator.
- AC power healthy indicator.
- DC power healthy indicator / free contact.
- Speed switch error or failed while running alarm / indicator.
- Automatic shutdown enabled/disabled indicator.
- Low discharge pressure alarm / indicator / freecontact (programmable).
- Deluge valve on alarm / indicator / free contact(programmable).
- Remote start on alarm / indicator / free contact(programmable).
- 10 additional programmable indicators.
- 11 additional programmable digital inputs.
- 8 additional programmable output relays (free contacts).
- Common alarm free contact.
- Electrical alarm bell.
- Push button for alarm silence (only for additional alarms).
- Pressure transducer with analog voltage output.
- Data logging system for pressure and events.
- USB port for saving recorded pressure and events on USB memory, and can be viewed with MS word and Excel.
- Electrically actuated built in discharge solenoid valve.
- UL listed enclosure.
- 220 / 110 VAC main line system power.
- 12 / 24 VDC system control voltage.
- Automatic / Manual / OFF mode (selectable).
- Two 12 / 24 VDC, 10 Amps smart automatic microprocessor battery chargers.
- Protection circuit breakers before and after batterychargers.
- 20x4 LCD display showing all system parameters and variables.
- User friendly software enable user to program allrelated parameters like timers, pressure, inputs,outputs ... etc.
- Showing battery 1 and 2 voltages.
- Showing battery 1 and 2 charging currents.
- Showing real value of discharge pressure.
- Showing engine running hours.
- Showing ambient temperature.
- Automatic cranking from two different batteries.
- Two push buttons for manual cranking from two different batteries.
- Manual stop push button.

- Programmable automatic weekly test, which can be programmed to start at any desired day, hour and minute in a week.
- Manual test push button.
- Starting delay timer (programmable) for sequence multiple pumps starting.
- Automatic or manual shutdown after automatic start (selectable).
- Compatible with fuel solenoid engines and stopped solenoid engines.
- Engine run indicator / free contact.
- Test running indicator / free contact.
- Automatic mode indicator / free contact.
- Manual mode indicator.
- Battery Charger1 error indicator.
- Battery Charger2 error indicator.
- Battery1 failure alarm / indicator.
- Battery2 failure alarm / indicator.
- Low oil pressure alarm / indicator.
- High water temperature alarm / indicator.
- Over speed shut down alarm / indicator.
- Engine failed to start alarm / indicator.
- Cranking coil 1 failure alarm / indicator.
- Cranking coil 2 failure alarm / indicator.