InteliDrive Lite FPC

FIRE PUMP CONTROLLER

Description

InteliDrive Lite FPC (Fire Pump Controller) is modular engine controller designed for diesel driven fire pumps applications based on the NFPA 20 standard. The controller utilises the hardware of a standard ComAp industrial engine controller, with a proven track record for flexible and reliable control gas or diesel applications.

Manual operation allows the diesel engine to be started using local buttons on the fascia of the controller or by external buttons on the control panel. Automatic mode of operation provides starting by a remote digital input switch or system pressure switch.

The control system incorporates two battery starter systems; the controller monitors the voltage on both battery systems, automatically switching between battery sets on a cyclic basis or low battery voltage condition.

Benefits

▷ Integrated solution – less wiring and components, less programming
▷ Available remote display panel – economical solution for remote control
▷ Possibility of monitoring and control via Internet and cellular network
▷ Analog gauge (VDO, Datcon and others) outputs – operator friendly
▷ History log – easy troubleshooting
▷ Pressure regulation loop and load limitation
▷ Smooth engine speed control
▷ Perfect price/performance ratio

WebSupervisor
The WebSupervisor system, a secure cloud-based remote monitoring system which allows equipment fitted with various types ComAp units to be monitored via the Internet from a remote PC or other web enabled device such as smartphone, webbook, etc. It operates in any Internet browser and needs no special software to be installed. User can view recorded data from their equipment, receive email alerts on alarms and control the remote units. Dedicated applications for iPhone and Android provide a truly mobile constant connection with the monitored equipment.

LOCATE
ComAp's LOCATE system uses the power of GPRS communications technology to provide users and peace of mind that the monitored asset is where it should be. Locate provides location data to the WebSupervisor system without the need for costly GPS positioning equipment and works anywhere there is a mobile phone signal, even indoors. Not only will WebSupervisor show the position of the monitored equipment, it will also maintain a track history and show route of the movement on a map.
LOCATE – Simply Here!

AirGate
Modern communications made simple. ComAp's powerful AirGate technology is provided in a range of our controllers and makes remote Internet connection to the ComAp controller easy. Just register the AirGate enabled controller on our website and from then on let ComAp's unique system locate and maintain contact with the controller, no need to worry about VPNs, static IP addresses or corporate firewalls, simple!
"AirGate – Simply connected."

ComAp is a member of AMPS (The Association of Manufacturers of Power generating Systems).

ComAp products meet the highest standards, with every stage of production undertaken in accordance with the ISO certification obtained in 1998.

Features

- Engine control, monitoring and protection
- Support of engines equipped with Electronic Control Unit (ECU) – J1939 or Cummins Modbus interface
- 7 configurable binary inputs
- 7 configurable binary outputs
- 7 configurable analog inputs + 2 analog inputs of battery voltage measurement
- VDO type analog gauges outputs – 8 configurable channels
- Selectable protections alarm/shutdown
- Setpoints adjustable via controller buttons or PC
- 1 level of password protection
- USB, RS485 or RS232/Modem/Modbus communication
- Real time clock and event history log
- Engine speed control by 3 predefined binary inputs, speed up/down binary inputs or one analog input
- Analog oil pressure, water temperature, fuel level, battery voltage, engine speed (pick-up)
- Automatic or manual start/stop of the engine
- Automatic starting sequence based on two batteries according to NFPA 20 standard
- Push buttons for simple control, lamp test
- Graphic back-lit LCD display 128 × 64 pixels
- 6 LED indicators (Alarm, Warning, Not Ready, Running, Battery A, Battery B)
- Front panel sealed to IP65
- Power supply 8–36 VDC
- Operating temperature:
  - -20°C to +70 °C regular unit
  - -40°C to +70 °C low temperature unit
- InteliDrive Lite FPC controller meets several standards (EN, NFPA)

Communication modules and PC tools

- **IB-Lite** – Internet/Ethernet plug-in module including Web server
- **IL-NT RS232** – RS232 extension board
- **IL-NT RS232-485** – Dual port extension board
- **IL-NT S-USB** – Plug-in service USB module
- **IL-NT GPRS** – GSM modem/wireless Internet module, AirGate ComAp technology supported
- **WinScope** – Special graphical controllers' monitoring software
- **LiteEdit** – PC configuration and monitoring tool
- **WebSupervisor** – Cloud-based for monitoring and controlling of ComAp controllers

Extension modules

- **IGL-RA15** – Remote annunciator (15 LEDs)
- **IL-NT AIO** – Analog input/output module (4 × AIN, 1 × AOUT)
- **IL-NT AOUT8** – Analog outputs for PWM gauges module (8 × AOUT)
- **IL-NT BIO8** – Binary input/output module (8 × BIN or 8 × BOUT)
- **IL-NT IO1** – Analog input/output module (4 × BIN and 4 × AOUT)
- **IL-NT RD (SW)** – Remote display software for the master controller

Order code

Product	Order code
InteliDrive Lite FPC	ID-FLX FPC
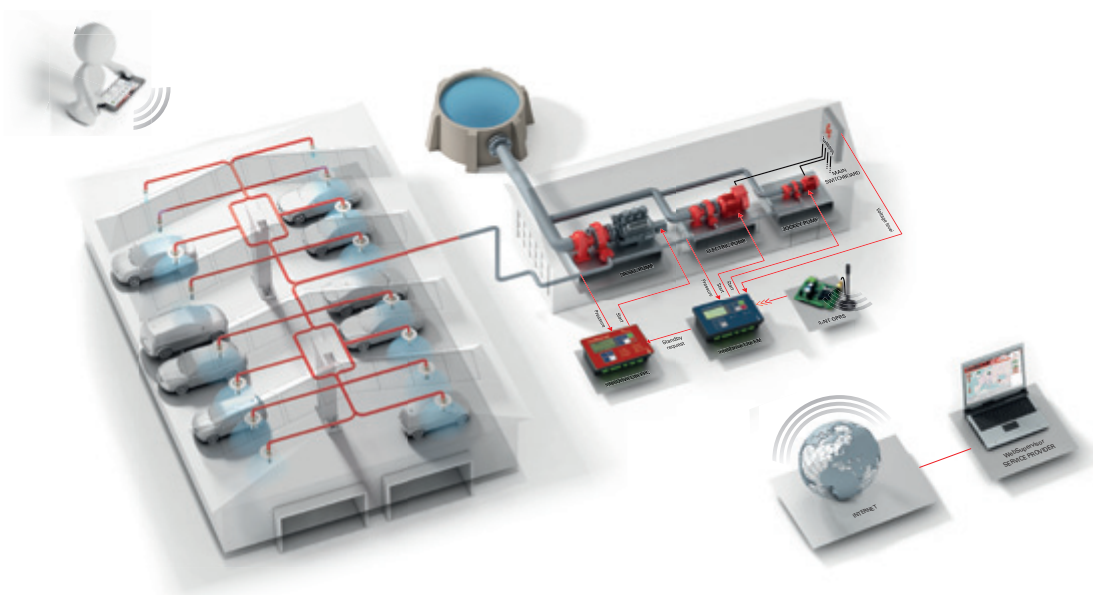
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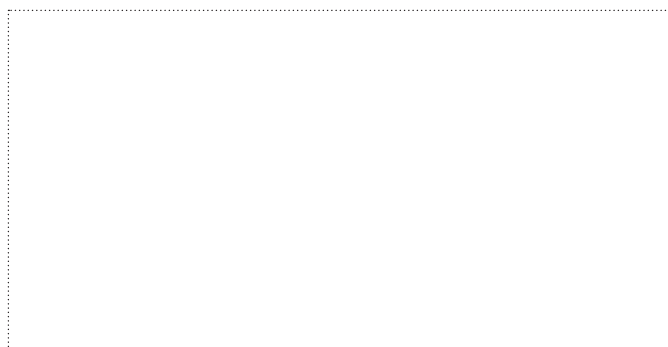
Customer satisfaction is our mission. We continuously develop our people to be the best to succeed in our mission.