

Generators; Multiplexed Advantages

Versatile Control & Monitoring

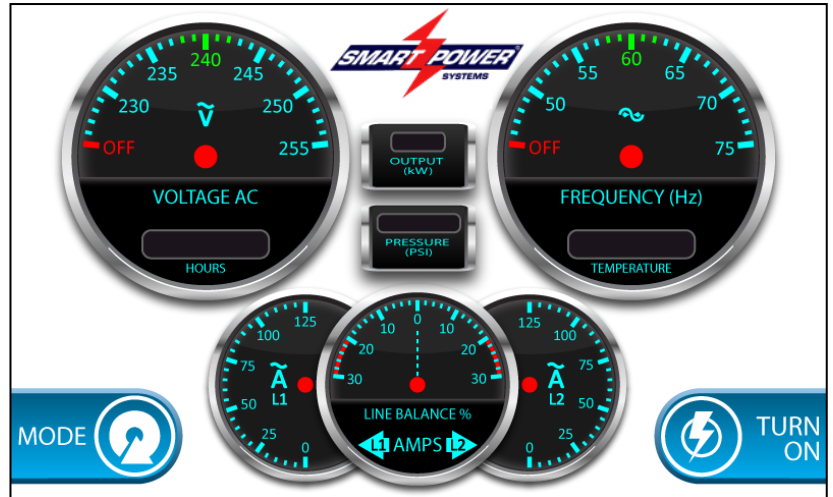
J-1939 Communication

You have put the best technology into your fire truck; including a multiplexing system integrated into the vehicle SAE J-1939 CAN communications.

Now, the industry's most advanced electronically controlled generator system gives you full control and communications on your fire trucks J-1939 multiplexing system.

Introducing the fire industry's first generator with integrated J-1939 communications. Our new Smart Power generator systems retain their existing total electronic control capability, giving you the features you need, such as cold start protection, overheat protection, soft start, maintenance (service reminders), self-diagnostics, fine-tuned frequency control and more.

Integrating Smart Power into the vehicle's central multiplexing system makes it even easier to operate. Having the generator tied into all multiplexed displays, ensures you will never miss a generator message, warning or alert.



Example of a generator screen on your multiplexed display

Multiplexing Advantages: (Impact to the Fire Industry)

- Longer life expectancy due to prognostic and diagnostics, leading to **greater up-time reliability**, with **lower life-cycle cost**
- Customize and **automate the generator's operations** based on your requirements using the versatility of SAE J-1939
- Warnings and alarm messages in plain language displayed on all multiplex displays



6 kW to 30 kW models



J-1939 Generator Control & Communications

System Control:

- On/Off
- Purge mode
- PSET (pump calibration)
- Auto start
- Reset oil filter life
- Calibrate voltage
- Calibrate current
- Set voltage target (240/208 3-phase)
- Set frequency (60Hz/50Hz LI10-LI25 & HR15-HR30)

System Status:

- Fan commanded to On indicator
- 240 volt enabled indicator
- Generator operating indicator
- Generator model indicator
- 3-Phase indicator
- Aux enable indicator
- Target frequency indicator
- Oil pressure at a minimum required indicator
- Purge mode indicator
- PSET mode indicator
- Command to system On indicator
- Auto start indicator

System Operating Parameters:

Continuous real-time reporting of (single and 3-phase generators):

- Output voltage
- Output frequency
- Output current
- Calculated output power
- Output power factor
- Oil pressure
- Oil temperature
- Generator run time
- Oil filter run time
- Run time beyond service interval for oil & filter

System Warnings:

- Cold oil
- Lid open (ER/LR systems)
- Oil filter service
- Low oil level
- Valve faults
- Over current faults
- Output voltage fault
- Temperature sensor fault
- Over temperature fault
- Fan fault
- CCC fault
- Oil pressure faults
- Oil flow fault
- DC input voltage fault
- Load imbalance fault (3-phase)
- Voltage calibration fault
- Optional indicator light fault
- Optional buzzer fault

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