



## **COMMAND ZONE™**

### **Advanced Electronics and Control System**

#### **State-of-the-art electronics.**

Leading-edge, multiplex technology forms the backbone of the Command Zone system. Pierce fully integrates this time-saving and highly reliable technology throughout the entire fire apparatus.

Proven in the auto industry, multiplexing is a simple method of integrating a computerized electrical system into your fire vehicle. It allows multiple electrical signals to be processed through a 3-wire datalink cable rather than the typical wire harness that utilizes 50 or more individual wires.

#### **Benefits of Command Zone include:**

- Improved vehicle reliability; fewer wires and electrical connections mean fewer opportunities for problems.
- Vehicle-specific I/O (input & output) sheets make troubleshooting easier.
- Allows electronic systems, including the engine and transmission to share vital information.
- Overall servicing is easier, and troubleshooting time can be reduced by as much as 90%.
- Load management and sequential switching are standard features on all vehicles with Command Zone.
- Hardware components (modules) are interchangeable. Other systems require disassembly or reprogramming of replacements.
- Diagnostic software gives you the ability to have Pierce technicians troubleshoot your vehicle in the field, via modem, and pinpoint problem areas within minutes.
- Solid-state electronics eliminate the need to replace relay fuses or circuit breakers.



## Examples of Command Zone display panels:

### Visual and audible warnings

Doors and equipment that may cause damage to the vehicle if not properly stowed or shut are displayed. Text message and audible alarm warn drivers.

### Real-Time engine information

All vital pump and engine data—time, fuel level, voltage, engine oil pressure, temperature and RPM.

### Safety belt warning

Visual display of seated passengers not secured by a seat belt.

### Aerial information

Ladder capacity, breathing air, waterway flow, rung and ladder alignment; grade, slope and outrigger status; hydraulic oil pressure and temperature, aerial hours and PTO hours; aerial height, extension, reach, angle and tip temperature.

## PIERCE COMMAND ZONE™ IN ACTION.

### Easy maintenance.

Screens display the status of systems throughout the apparatus, down to the last light bulb. You can efficiently identify specific circuits and quickly locate a problem's source.

### Compact and flexible.

Command Zone's small module is less obtrusive, creating more storage space in compartments. Plus, its commercially available components use fewer wires and electrical harnesses. This allows for easy location of the system anywhere on the truck without the need for centrally located control and power modules.

### Advanced diagnostics. Simple troubleshooting.

Every time you start the engine, Command Zone checks the electrical circuits, verifying all systems are functioning properly, including aerial apparatus. Troubleshooting is as quick and easy as scrolling through the screens on the display.

### Enhanced reliability.

Command Zone's robust design, parts commonality, and exhaustive testing ensure reliability. The tough, extruded aluminum housing tolerates temperatures from -40°F to 185°F. A watertight design keeps out rain and ice for reliable operation in extreme conditions.

### Extra security.

When you leave a scene, perimeter lights stay on for 10 seconds, giving the driver a better all-clear view. An added safety benefit, Command Zone utilizes our patented mission critical software, ensuring your equipment remains operational in extreme circumstances.

### The information you need.

Get the critical firefighting and maintenance information you need, quickly and reliably. Contact your Pierce representative about getting the state-of-the-art Command Zone advanced electronics and control system on your next apparatus.



PERFORM. LIKE NO OTHER.™

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