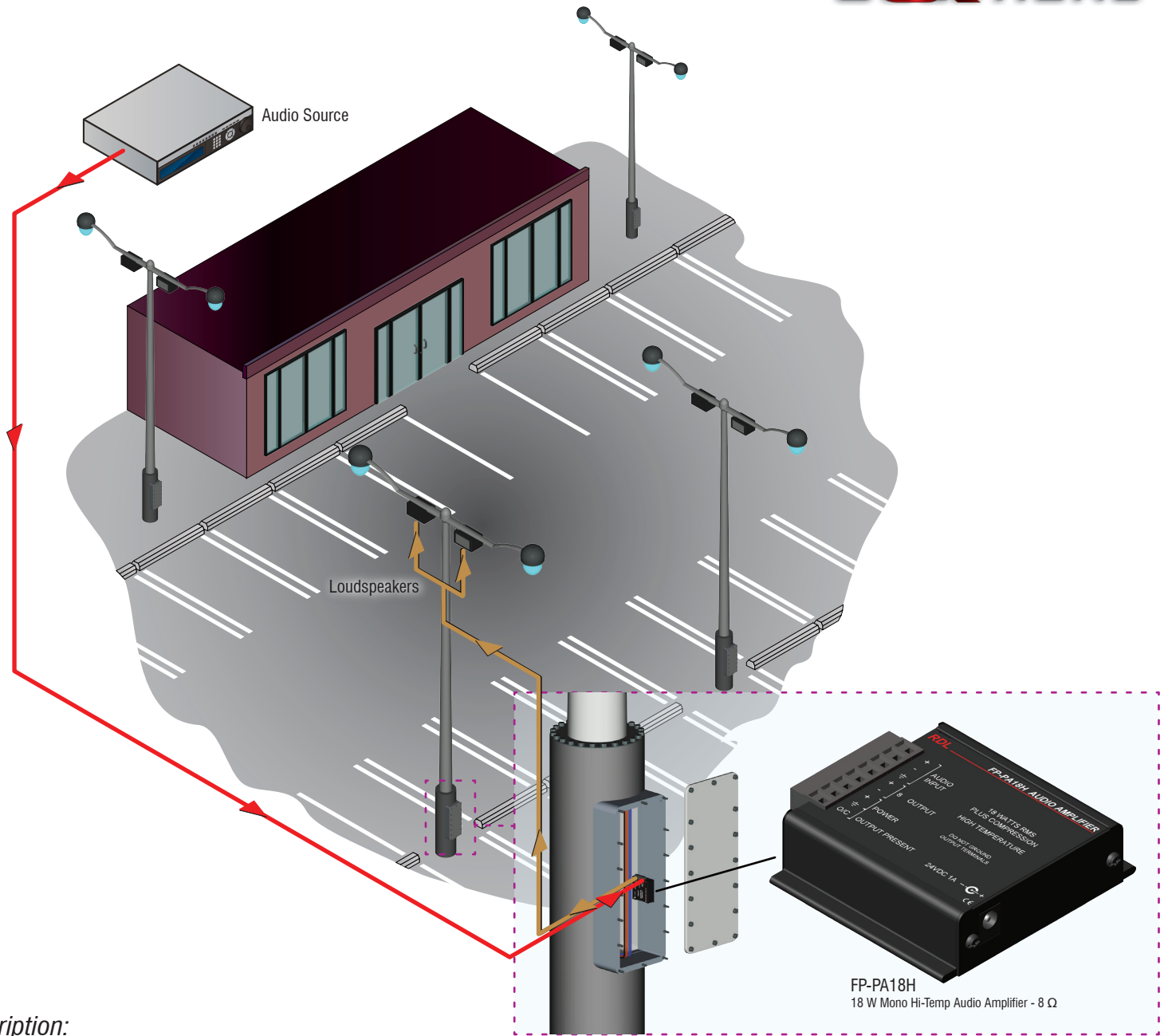


Pole Mounted Power Amp Operation in Extreme Temperatures



Description:

This outdoor parking area is equipped with speakers mounted in the lamp structures to provide music and paging coverage. Speakers in each pole are powered by an RDL FP-PA18H 18 Watt Hi-Temp Audio Amplifier. The amplifier module is mounted in an unventilated watertight enclosure at the base of each pole. The poles receive direct sunlight causing the potential for high internal ambient air temperatures.

The highly efficient FP-PA18H is ideally suited to this environment. It is designed for operation in ambient temperatures up to 70 degrees Celsius (about 158 degrees Fahrenheit) and contributes negligible heat to the ambient temperature inside the pole.

The amplifier's integral compressor/limiter insures maximum intelligibility by keeping average power levels high and preventing clipping. The FP-PA18H combines RDL's high audio performance standards with the capability of operation in harsh temperature environments.

Notes:

- 1] If it is desired to monitor the operation of the complete system, the audio detector included in each FP-PA18H can be wired back to the system audio rack to confirm that audio is being received and amplified at each pole.
- 2] If the FP-PA18H is acquired with an RDL power supply, that supply must be located in an ambient environment not to exceed 40 degrees C. FP-PA18H modules are available without a power supply for use with high temperature supplies or in systems using distributed 24 Vdc power. Contact RDL Technical Support for more information.