



Smart Bell

Electronic Bell for Highway Grade Crossings

The Smart Bell is an electronic bell that provides an audible warning at the crossing. There are no moving parts subject to wear, fatigue or that require routine maintenance.

This device is a 3-wire electronic bell that provides a realistic bell tone via a weatherproof outdoor speaker. The Smart Bell also includes an internal monitor to sense and identify its operational status to an external recorder. If the audible output level or frequency falls below acceptable levels, the bell will then report a failure, when integrated with a crossing recorder.

The Smart Bell easily integrates with existing locations utilizing two power conductors for bell operation and a third recorder output wire for connection to a grade crossing recorder.

When integrated with the HAWK Recorder or Event Analyzer, the Smart Bell can also be monitored remotely, and it is also a building block sensor component of Crossing Performance Monitor (CPM) and OnSite.





Specifications

Input Power

8.5 - 17 VDC (nominal 10VDC)

Input Current

<200mA

Recorder Output

100mA maximum

Ring Rate

150 impulses per minute

Sound Pressure Level (at 10 feet)

95dB +/- 5dB

