The Smartzone Proximity System Diagnostic Tool Kit (part number 100847804) gives customers access to the Smartzone Proximity System to perform in-depth diagnostics. The kit includes a laptop with the IntelliView read-only software, allowing trained personnel to view proximity system configurations and monitor the system in real time (in fresh air areas only). The kit may be utilized to connect to the Smartzone system wirelessly or via a hardwired connection using the included laptop.

The kit includes an eLearning training module for the proximity diagnostic software, component change-out, and antenna cable inspection.

The Smartzone Proximity System Zone Configuration Kit (part number 100834442) includes all of the above, along with the IntelliView Zone Configuration software, which allows for shutdown and warning zone modifications, within limits.

Contact your Joy Global sales engineer for more details.

The Diagnostic Kit allows for extensive diagnostic and maintenance to be performed on the system, including:

- Inspecting for driver signal issues using the diagnostic software
- Inspecting for antenna signal issues using the diagnostic software
- Saving proximity configurations to a PC
- Identifying faulty antenna cables using the antenna analyzer
- Servicing the connections on the proximity I/O board with the included screw drivers and ferrules
- Replacing fuses on the I/O board using the included spare fuses
- Replacing a proximity driver – new bolts and washers included
- Servicing an antenna connection

The Zone Configuration Kit adds the ability to:

- Adjust primary warning and shutdown zones, within limits
- Configure additional warning and shutdown zones as necessary
Each kit includes the following tools to assist in fault diagnostics, troubleshooting, and component replacement:

- Laptop with Matrix IntelliView read only or zone configuration software pre-installed
  - Wireless adapter to connect to the proximity system
  - Cable to connect to the proximity system when wireless connectivity is unavailable
- Antenna and antenna cable analyzer
  - Adapters to fit to any proximity antenna or antenna cable
  - Used to verify cable or antenna integrity
- Screwdrivers for servicing the proximity controller and I/O board
  - 1/8” Slotted screwdriver
  - 3/32” Hex screwdriver
  - Phillips #0 screwdriver
- I/O Board terminal servicing tools
  - Replacement ferrules
  - Crimp tool
  - Replacement fuses
  - Spare wire
  - Heatshrink
- Driver replacement tools
  - Driver signal tester
  - Driver replacement tool to ease the installation of bolts
  - Replacement driver bolts and washers
- Hard-plastic case with foam insert to keep everything organized
- eLearning module pre-loaded on the laptop
  - Training support refreshers on how to use the software
  - Instructions for component replacement

Sample diagnostics screen
![Advanced diagnostics to help pin-point component or wiring failures.](image)

Sample zone configuration screen
![Shutdown and warning zone modifications available in the Zone Configuration Kit.](image)