

Operation Guide (EPA)

Overview

The EP1plus Default System is our most cost-effective solution to help ensure no student is left unattended on a vehicle. Below you will find the schematic as well as key operational features and additional support information to assist with your installation.

Although this article references this system as the default system it can be used anywhere that does not require alternate functionality (i.e. state specific operation like California, Florida, Georgia etc.).

Key Software Features

Activation

- The system will activate with the 8-way overhead lights or another 12V source.

Deactivation

- The system will deactivate in the key ON position.

Time to Perform the Child Check

- The driver will have an unlimited time to perform the child check, so long as the key remains in the ignition.

Horn

- If the child check is not performed, the horn will sound for 5 minutes.

Optional Features

Dome Lights

- The dome lights will illuminate for 2 minutes after the system has been deactivated.

Accessory Time

- The driver can sit with the key in the accessory position for 2 minutes and can extend that time by cycling the key.

Ignition ON

When the ignition key is turned to the "ON" position the ♪ **ignition tone** ♪ is heard indicating the system is ready for operation.

Activation

The system will activate automatically during the driver's typical routine. When the system activates, it will sound the ♪ **activation tone** ♪.

System Activation is specific to where your technician connected the Brown Activation Wire. On a school bus, this is usually the 8-Way Overhead Lights. On passenger vans, this is often the brake lights.

Deactivation

When you are finished your route,

1. Turn the key to the ♪ **'OFF' position** ♪ .
2. Turn the key back to the ♪ **'ON ' position** ♪. "within 1 to 8 seconds"
3. Walk to the rear of the vehicle and conduct a thorough inspection of your vehicle.
 1. The driver has unlimited time to perform the child check.
4. Depress the rear deactivation button and hold for 3 seconds.
 1. The system will confirm deactivation with the ♪ **deactivation tone** ♪.

Horn Will Sound...

- When the key is not turned back to the ON position for deactivation.
- When the accessory feature times out (4 minutes) - *optional connection*.
- When the Road Crossing feature times out after 10 minutes.

Silencing the Alarm

These steps *do not* deactivate the system. This will cancel the alarm and reset the EP1plus back into the activated state.

1. Turn Ignition 'OFF' for 2 seconds.
2. Turn Ignition back to 'ON'.

Road Crossing Feature

This feature allows a driver to turn the vehicle off and remove the key from the ignition for a maximum period of 10 minutes without deactivating the system. This feature allows a driver to turn the vehicle off and remove the key from the ignition to assist the loading or unloading of children or to perform escort duties or assist special needs passengers.

1. Activate 8-way overhead lights (or other 12V activation source).
2. Remove the key from the ignition and perform escort duties.
3. Insert the key back into the ignition and turn to the 'ON' position.
4. Deactivate 8-way overhead lights and continue on your route.

To utilize this feature, it is recommended that the Brown Wire (6-PH Wire #5) be connected to the 8-way overhead lights.

The system is still active and requires that the driver conduct their child check and deactivation of the system end of their run.

Optional Features

Dome (Interior) Lights

- Dome lights will illuminate for 2 minutes after deactivation.

Accessory Feature (loading and unloading)

This is an optional feature and requires that your technician connect the system to an accessory power source. The accessory feature was designed to accommodate loading and unloading when the engine is not permitted to be running. The accessory power source will provide the driver 2 minutes for unloading passengers. This can be extended by cycling the key from 'ACC' to 'OFF' back to 'ACC' when the driver hears the ♪ **warning tones** ♪. This process can be repeated as needed.

Installation and Part Information

EP1plus Default System - A007 EPA (schematic)

DISCLAIMER

THE CHILD CHECK-MATE SYSTEM® IS A DRIVER'S AID ONLY. IT SERVES AS A REMINDER TO DRIVERS TO CONDUCT A THOROUGH INSPECTION OF THE VEHICLE TO ENSURE THAT ALL CHILDREN HAVE DISEMBARKED. JUST AS IT IS THE DRIVER'S RESPONSIBILITY TO CHECK FOR CHILDREN AT THE END OF EACH RUN, IT IS ALSO THE RESPONSIBILITY OF THE DRIVER TO DETERMINE THAT THE SYSTEM IS FULLY OPERATIONAL AS A PART OF THEIR DAILY PRE-TRIP INSPECTION (CIRCLE CHECK).