

FORMULA SYSTEMS

VISION PLUS

SELF-TEST FEATURE



SELF-TEST FUNCTION DESCRIPTION

On detection of the open door, the Vision Plus product will carry out a test for both 2D and 3D functions, reporting back if failure occurs through the output drive to the door controller.

UNIT TESTING INSTRUCTIONS

1. Switch on the power and park the doors in the fully open position.
2. Check the function of the 2D beams by obstructing each or a substantial number across the height of the door. If the edge detects the obstructed beam the LED on the RX edge will illuminate. This is best carried out by standing inside of the car to avoid the possibility of triggering the 3D proximity sensor.
3. Whilst the doors are still open the 3D can also be tested by approaching the doors or each door with a suitable target such as a moving body or cart. Detection by the 3D system will also be indicated by the yellow LED on the RX edge.
4. Once these tests have been carried out the doors can be moved towards closing.
5. A distance measuring system will trigger a change in system behaviour as the doors pass a point approximately 18 inches (457mm) from closed. The 3D will be deactivated automatically to prevent detection on the opposite slam and door. The system will also then enter Eco mode once the door has closed.
6. Now allow the doors to fully open and observe the indication LED on the RX edge, this should flash on/off to confirm that a self-test has been performed and passed.

FURTHER INFORMATION

If additional information or assistance is required with the Vision Plus Self-Test feature, or the unit testing process, please contact the Formula Systems team who will be happy to help.