

# GATEWAY<sup>AI</sup>

## High Idle & Lift Interlock With Programmable Load Control

### FEATURES & BENEFITS

- ◆ Fully compliant FMVSS 403/404 wheelchair lift interlock
- ◆ Dynamic Load Response (DLR) technology– monitors engine RPM & maintains speed at all load conditions
- ◆ Charge protect on gas & diesel engines
- ◆ Automatic engagement when on A/C command is detected
- ◆ *Heater Boost* for improved cabin heat on diesel engines
- ◆ Dash-mounted control panel has LEDs to display electrical system, Automatic Fast Idle (AFIS) & Intelligent Lift Interlock System (ILIS) status
- ◆ Simple, single-point “Plug & Play” connection.. Super fast installation & No cutting of factory wires
- ◆ Solid state microprocessor controller.. No additional solenoids, cables, or brackets
- ◆ Capable of providing “Real-Time” chassis data via the CAN Bus
- ◆ Diagnostic trouble codes can be retrieved for “hard” faults & intermittent faults in non-volatile memory
- ◆ Intermittent Fault Filter (IFF)@ technology filters out all erroneous changes in sensor signals
- ◆ Multiple & configurable chassis electrical load inputs/outputs



Gateway<sup>AI</sup> Module

### WHY GATEWAY<sup>AI</sup>?

- ◆ Gateway<sup>AI</sup> is a fully Compliant FMVSS 403/404 wheelchair interlock & fast idle system all in one, easy to install module!
- ◆ **Fast Idle**– monitors OEM sensor inputs from transmission, engine, charging system, air conditioner, ambient air temperature, & vehicle speed to determine if high idle is needed. Automatically maintained when loads are added or removed such as A/C or wheelchair lift.
- ◆ **Lift Interlock**– Controls shift interlock by processing signals from transmission, parking brake and lift door to electronically lock down the vehicles ability to move in unsafe conditions



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Rev. C



# GATEWAY<sup>AI</sup>

## Gateway<sup>AI</sup> Options

### THE GATEWAY<sup>AI</sup> PRODUCT FAMILY

- ◆ Gateway with BrakeMax Controller
  - ◆ All of the features of the Gateway/ILIS plus a controller for Ford & GM vehicles with Tow/ Haul mode. This controller engages the Tow/Haul mode on start-up of the vehicle thereby providing the fleet with maximum "Tow/ Haul" mode benefits without having the driver think about it.
- ◆ Gateway with DuraTrans
  - ◆ All of the features of the Gateway/ILIS plus a controller for Ford & GM vehicles with an Overdrive button. Overdrive is disabled until the vehicle speed reaches 55 MPH. Overdrive will not be disabled until the vehicle speed drops below 30MPH
- ◆ Gateway with Merlin
  - ◆ All of the features of Gateway/ILIS plus the ability of the Merlin Multiplex System to use real-time chassis data to operate coach loads
- ◆ Azure Option
  - ◆ ILIS interlock functions for use on an Azure hybrid electric vehicle



Standard Gateway<sup>AI</sup> LED Panel



Standard Gateway<sup>AI</sup> Door Ajar LED Panel



Interlock Only LED Panel



Interlock Only Door Ajar LED Panel

### SPECIFICATIONS

#### Physical Specifications:

Dimensions:	2.0"W x 4.0"L x 0.9"H
Weight:	.14 lbs
Operating Temperature:	40°C to 85°C

#### Electrical Specifications

Power Input:	+8 to 16 Vdc @ 1 amps for module control +8 to 16 Vdc @ 8 amps for lift enable
Lift Enable:	+12v @ 8 amps
Programmable Outputs:	Ground @ 0.5 amps each

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