

DINEX G4 Multiplex System

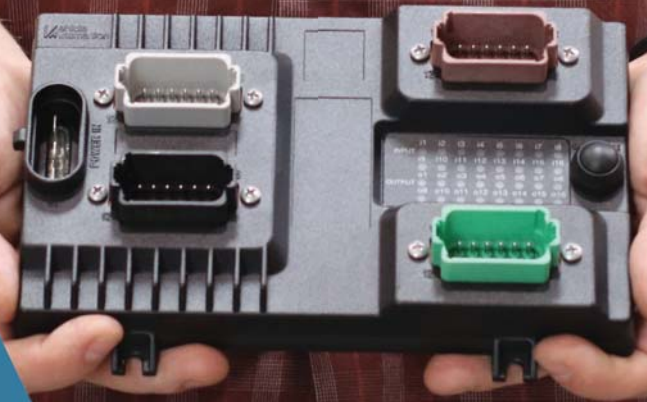
I/O Controls Corporation



The I/O Controls G4 Multiplex Systems is the next step in our revolutionary line of heavy-duty mass transit multiplex systems. The G4 System includes all of the ground breaking features of our previous generations of multiplex systems, but now includes even more functionality, operational and diagnostic features.

Power Management
Functionality

Enhanced built-in system monitoring features in the Main Bus Controller (MBC) (P/N G4-MBC-HUB-XX) include status indicators for the J1939 power train bus data traffic; each satellite DIO/GW module; separate status indicators for engine, transmission and ABS J1939 data traffic. Plus additional status indicators for mux system communication, program download, power management system statuses, etc. Each Digital Input/Output Controller (DIO) includes the I/O Controls standard status indicators for inputs and outputs. The DIO output LED's also serve a dual function as diagnostic indicators. Each LED indicates if the output load is normal, open, overloaded or shorted.



Vehicle
Automation

Input/Output Flexibility 16 Inputs 16 Outputs



J1939 Gateway

The G4 System has been designed to include even more input/output flexibility over previous generations. The MBC includes an internal J1939 gateway that is both 250K/500K ready. Inputs and outputs on the DIO have been increased to sixteen of each. Outputs on the standard G4 DIO maybe +12VDC, +24VDC or sink. Selected outputs may be controlled by analog inputs. Selected outputs maybe used as PWM outputs. Special output modules for these features are no longer required.

PC Diagnostics

Improved PC based diagnostic programs are available to the end user. A separate hardware interface between the multiplex system and a laptop PC is no longer required. The Main Bus Controller incorporates a USB interface that the laptop PC connects to with just a standard USB cable. For further assistance in troubleshooting, maintenance the Main Bus Controller also contains internal memory that can be used to store pdf files for OEM wiring diagrams and/or system maintenance manuals.

