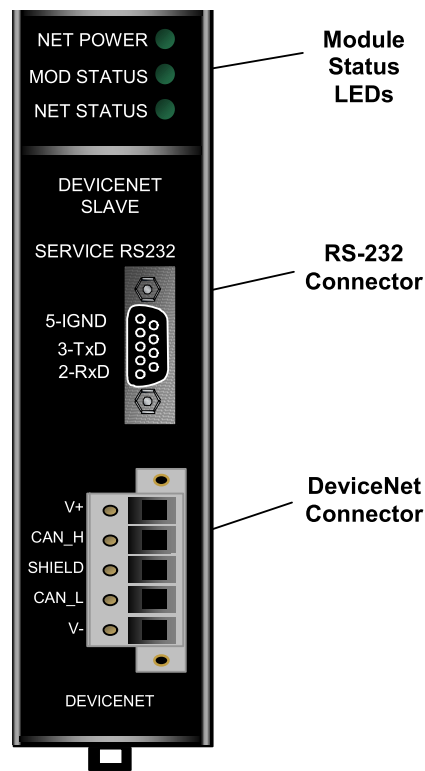# DeviceNet Slave Module

The DeviceNet Slave Module interfaces a Series 90-30 PLC to a DeviceNet bus that is controlled by another master device.

The module's three DeviceNet-compliant LEDs show its operating and communications status. The RS-232 serial port (a 9-pin male D-connector) is used for a computer connection during firmware upgrades. The DeviceNet connector is a removable spring-clamp terminal. It provides bus continuity and can be removed from the module without disrupting bus operation.


```
NET POWER ●          Module
MOD STATUS ●         Status
NET STATUS ●         LEDs

  DEVICENET
    SLAVE

SERVICE RS232        RS-232
                     Connector
  5-IGND
  3-TxD
  2-RxD

                     DeviceNet
 V+                  Connector
 CAN_H
 SHIELD
 CAN_L
 V-

  DEVICENET
```

Series 90-30 DeviceNet Slave Module

Features

- Bus communications at all standard DeviceNet data rates (125K, 250K, 500K baud)

- Up to 255 bytes input data transfer and 255 bytes output data transfer.

- Configurable for Poll, Strobe, Cyclic and COS I/O Connections, and Explicit Messaging

- Supports Unconnected Message Manager (UCMM) allowing up to 250 simultaneous explicit messaging connections.

- One or two I/O connections plus explicit messaging can be configured. Each I/O connection can be set up for one of the following: Poll, Strobe, Cyclic or Change-of-State (COS) operation. Typically one connection is used for Polled and the other is used for Strobe, Cyclic, or COS.

- Supports the Assembly Object and access to the input and output data for each of the configured slave I/O areas (I/O Area 1 and I/O Area 2) with the SET_ATTRIBUTE_SINGLE and GET_ATTRIBUTE_SINGLE services. Up to 255 bytes of attribute data may be supplied in the SET_ATTRIBUTE_SINGLE operation.

- Configurable fault behavior on loss of communication.

- UCMM-capable Group 2 Server

DeviceNet Slave Module Specifications

Catalog Number	IC693DNS201
Description	Slave Module for DeviceNet networks
Mounting Location	Series 90-30 main rack. Any slot except slots 0 and 1.
Environment	Storage temperature: -40°C to 85°C Operating temperature: 0°C to 60°C
Backplane Current Consumption	450mA at 5VDC (typical)
Current Consumption from DeviceNet Network	50mA at 24VDC (typical) 80mA at 24VDC (peak)

Compatibility

- Compatible with any Series 90-30 CPU except IC693CPU321 and IC693CPU340. Requires Series 90-30 release 8.0 or later CPU firmware. Release 10.6 or later is recommended, if available for the particular CPU.

- Requires Proficy™ Machine Edition Logic Developer PLC version 3.0 SP1 Special 2 or later.

- Not compatible with the VersaPro™, Control, or Logicmaster™ programming software.

- The Series 90-30 Hand-Held Programmer (IC693PRG300) cannot be used to configure this module.