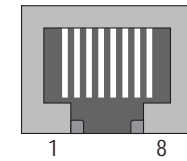
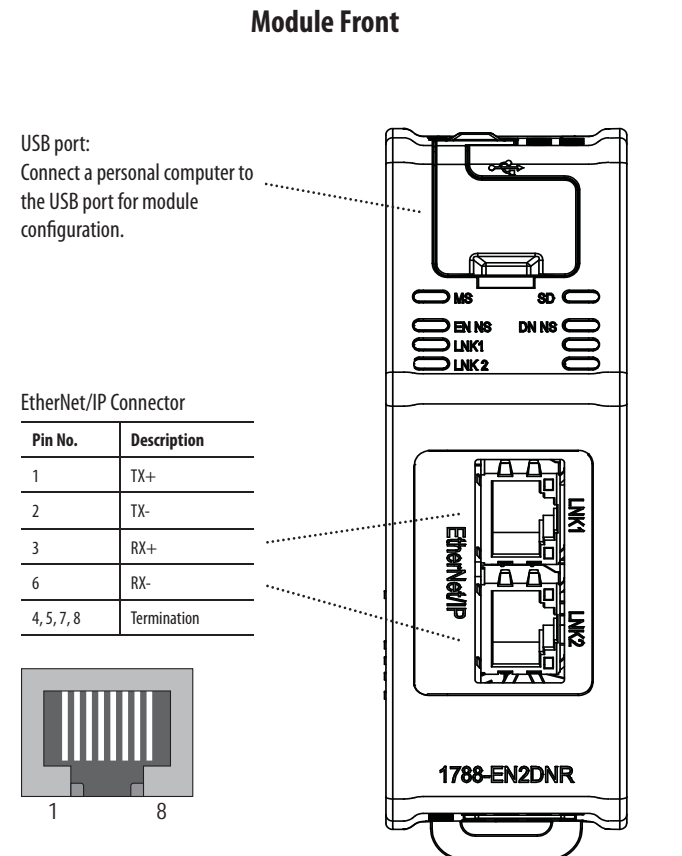


1788-EN2DNR

PRODUCT INFORMATION



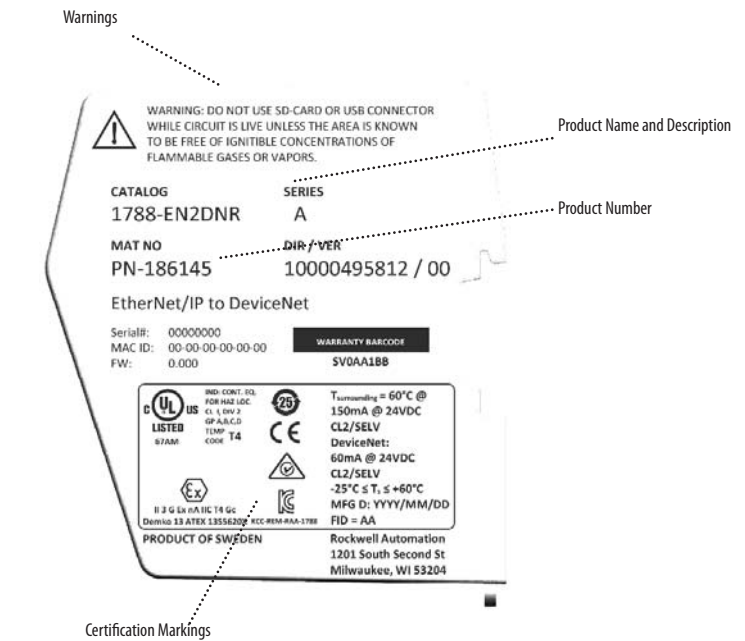
Status Indicators: 1788-EN2DNR and DeviceNet Network

No.	Name	Indication	Meaning
1	(MS) Module Status	Off	Power off
		Green	Normal operation
		Flashing green	The module is not configured
		Red	Unrecoverable error
		Flashing red	Recoverable error
		Alternating green/red	Power-on self-test (POST)
		Orange	Unrecoverable error: firmware has crashed
5	(SD) SD Card Status	Flashing green	Accessing SD card
		Flashing red	Failure
6	(DN NS) DeviceNet Status	Off	No power
		Green	Online, connected
		Flashing green	Online, not connected
		Red	Unrecoverable fault
		Flashing red	Recoverable fault
		Alternating green/red	Communication faulted

Status Indicators: EtherNet/IP Network

No.	Name	Indication	Meaning
2	(EN NS) EtherNet/IP Status	Off	Power off, or no IP address
		Green	Connected
		Flashing green	Not connected
		Red	Duplicate IP address
		Flashing red	Connection timeout
3	(LNK 1, LNK 2) Ethernet link 1 & 2	Off	No link
		Flashing green	Receiving/transmitting Ethernet packets at 100 Mb
4		Flashing yellow	Receiving/transmitting Ethernet packets at 10 Mb

Right Side View



Installation and Start-up Summary

- Configure the network settings via the rotary switches:
 - IP address (999 = DHCP at first startup)
 - DeviceNet MAC ID
 - DeviceNet baud rate
- Attach the 1788-EN2DNR module to the DIN-rail.
- Connect the module to the EtherNet/IP network.
- Connect the module to the DeviceNet network.
- Turn on the module (24V DC).
- Configure the driver using RSLinx software.
- Register the EDS file using RSLinx software.
- If desired, change the IP settings using RSLinx software or via the web page (the default user name is "Administrator" and the default password can be found on the home web page of the module).
- Locate the module on the network, using RSNetWorx for DeviceNet software.

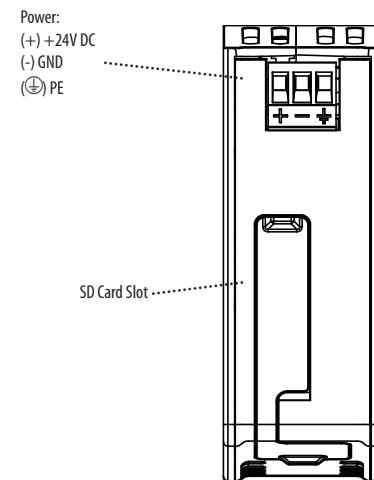
Additional Installation Instructions

This product is designed to safely operate in class I, division 2 Hazardous location according to ANSI/ISA 12.12.01-2011 and category 3, zone 2 according to EN 60079-0 and EN 60079-15.

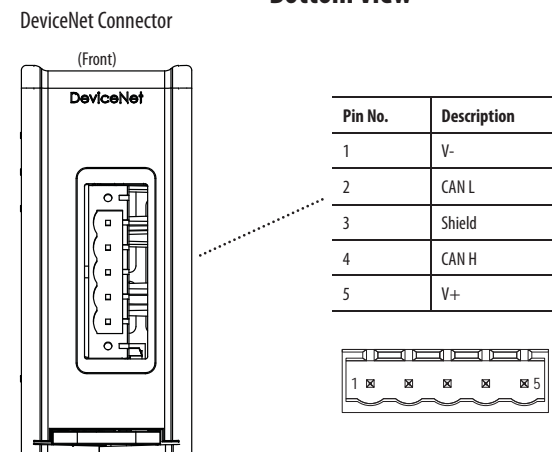
Technical Details

- Unit power supply: 24 V DC Class 2/SELV (-15...20%). Terminal tightening torque: 0.5...0.8 N-m (5...7 lb-in).
- Unit power consumption: Maximum power consumption is 150 mA @ 24V DC.
- DeviceNet power: 24V DC Class 2/SELV.
- DeviceNet power consumption: Maximum DeviceNet power consumption is 60 mA @ 25V DC. Typical DeviceNet power consumption is 30 mA @ 25V DC.
- Field wiring terminal markings (wire type (Cu only, 14 - 22 AWG) "Use 1050c copper (CU) wire only").
- Operating temperature/surrounding temperature: -25...60 °C (-13...140 °F).
- Maximum surface temperature: 135 °C (275 °F).
- In order to sustain high operating temperatures of up to 60 °C (140 °F), the module must be mounted vertically (power connector facing upwards) to ensure optimal vertical airflow. Additionally, if the module is mounted side-by-side with other modules, this will affect the module's ability to sustain high operating temperatures.
- Pressure: 850 - 1050 millibar.
- Protective Earth (PE): Internal connection to PE via DIN-rail or, if the DIN-rail cannot be used, via the power connector. Note: Make sure the DIN-rail is properly connected to PE.

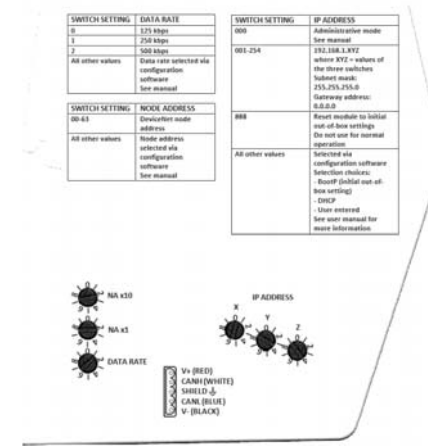
Top View



Bottom View



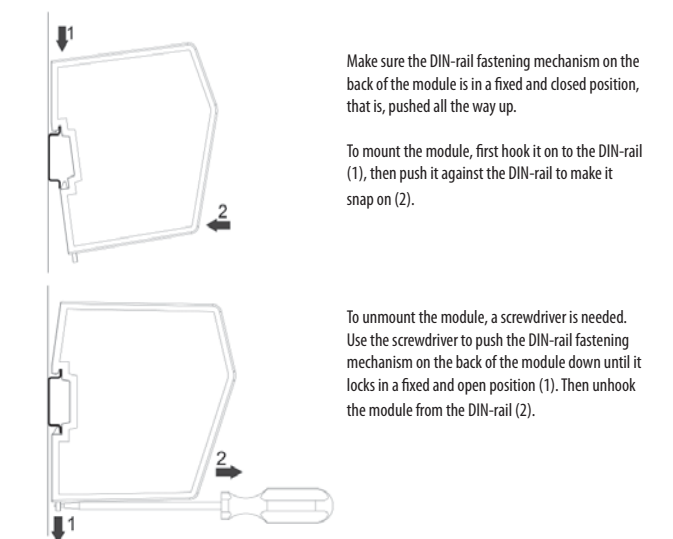
Left Side View



Switch	Node Address (NA)	Switch	IP Address
00 - 63	DeviceNet node address	000	Administrative mode See user manual for more information
Other values	Node address selected via configuration software See manual	001 - 254	192.168.1.XYZ where XYZ = values of the three switches Subnet mask: 255.255.255.0 Gateway address: 0.0.0.0
Switch	Data Rate	888	Reset module to initial out-of-box settings Do not use for normal operation
0	125 kbps	Other values	Selected via configuration software Selection choices: - BootP (initial out-of-box setting) - DHCP - User entered
1	250 kbps		See user manual for more information
2	500 kbps		
Other values	Data rate selected via configuration software See manual		

Note: The module will reset to initial out-of-box settings when all three switches are set to 8. Do not use for normal operation.

DIN-rail Mounting



Note: Do not leave the module with the DIN-rail fastening mechanism in a fixed and open position. This may eventually wear out the fastening mechanism so it cannot be used efficiently. Be sure to push the DIN-rail fastening mechanism back into the fixed and closed position after unmounting the module, according to the picture below.

