

Anybus Communicator CAN - EtherNet/IP
INSTALLATION SHEET

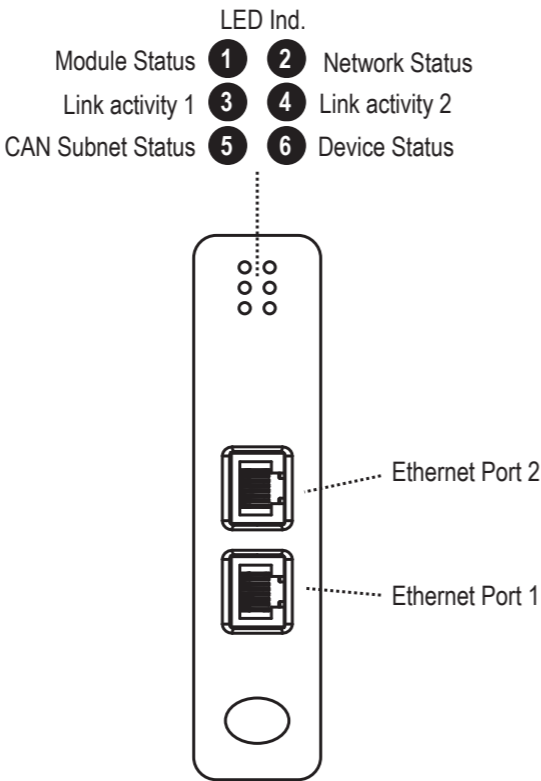


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SP1313, rev 2.00, Apr 2012, AB7318 www.anybus.com

Module Front



LED Indicators

LED no	Indication	Meaning
1 (Module Status)	Off	No power
	Green	Controlled by a scanner in Run state
	Flashing green	Not configured or scanner in Idle state
	Flashing red	Minor fault, recoverable
	Red	Major fault, unrecoverable
2 (Network Status)	Flashing green/red	Self test in progress
	Off	No power or no IP address
	Green	On-line, one or more connections established (CIP Class 1 or 3)
	Flashing green	On-line, no connection established
	Flashing red	One or more connections timed out (CIP Class 1 or 3)
3 (Link activity 1) 4 (Link activity 2)	Red	Duplicate IP address, fatal error
	Flashing green/red	Self test in progress
	Flashing yellow	Activity, receiving/transmitting Ethernet Packets at 10 Mbps
5 (CAN Subnet Status)	Off	No link sensed on port 1/2
	Green	Activity, receiving/transmitting Ethernet Packets at 100 Mbps
	Flashing red	Transaction error/timeout or subnetwork stopped
	Red	Fatal error
6 (Device Status)	Off	Power off/no CAN communication
	Alternating red/green	Running with no transaction errors/timeout
	Green	Transaction error/timeout or subnetwork stopped
	Flashing green	Fatal error
	Red	

Accessories Checklist

The following items are required for installation:

- Anybus Configuration Manager - Communicator CAN (available at www.anybus.com)
- CAN cable (included D-sub can be used)
- USB cable (type B) for configuration download
- LAN cable (not included)

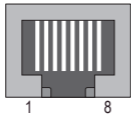
EtherNet/IP Notes:

- Please refer to the manual for information about how to set the IP the IP address of the Communicator.

Installation and Startup Summary

- Build the configuration in the Anybus Configuration Manager.
- Mount the Communicator at its proper position.
- Connect the USB, LAN and CAN cables (if needed, use cables with terminations or add terminations).
- Power up the module and download the configuration.
- Remove the USB cable.

EtherNet/IP Connector



Pin no	Description
1	TD+
2	TD-
3	RD+
6	RD-
4, 5, 7, 8	(not connected)
Housing	Cable shield

Technical Details

- Power supply:
24 V DC (-10% to +10%).
- Power consumption:
Maximum power consumption is 250 mA @ 24 V DC.
Typical power consumption: 100 mA @ 24 V DC.
- Protective Earth (PE):
Internal connection to PE via DIN-rail.
Note: Make sure the DIN-rail is properly connected to PE.

EtherNet/IP Support

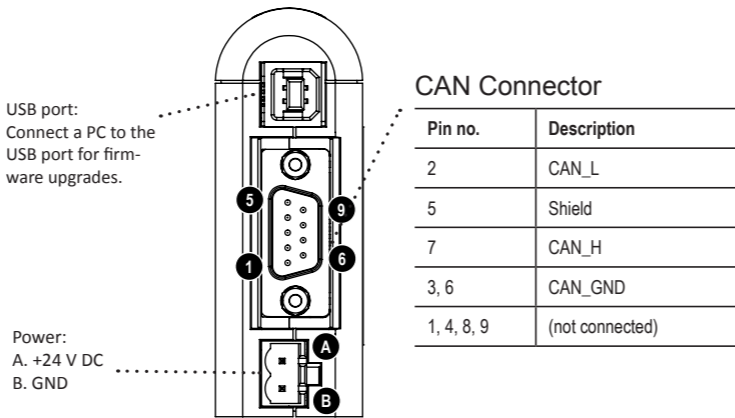
Technical questions regarding the EtherNet/IP fieldbus system should be addressed to the ODVA.

Online: www.odva.org

For maintenance and support, contact the HMS support department. Contact information is available at the support pages at www.anybus.com.

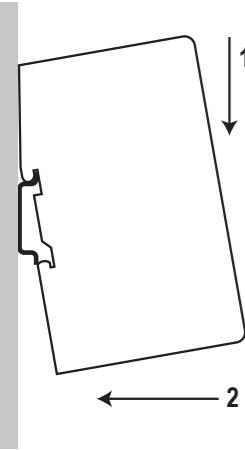
Further information and documents about this product can be found at the product pages on www.anybus.com.

Bottom View

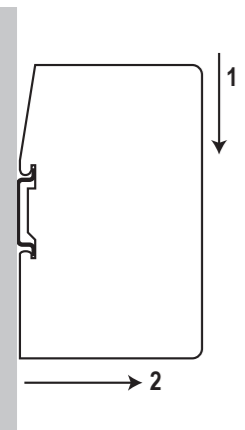


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DIN-rail Mounting



To snap the gateway on, first press it downwards (1) to compress the spring in the DIN-rail mechanism, then push it against the DIN-rail as to make it snap on (2).



To snap the gateway off, push it downwards (1) and pull it out from the DIN-rail (2), as to make it snap off from the DIN-rail.

Additional Installation and Operating Instructions

Supply voltage: The X-gateway requires a regulated 24 V (21.6 V to 26.4 V) DC power source.

Field wiring terminal markings (wire type (Cu only, 14-30AWG)
“Use 60/75 or 75°C copper (CU) wire only”
Terminal tightening torque (5-7 lb-in (0.5 - 0.8 Nm)).

Use in Overvoltage Category I Pollution Degree 2 Environment.

Install in an enclosure considered representative of the intended use. To comply with ATEX directives, the equipment must be installed within an IP54 enclosure and must be installed with a transient suppressor on the supply that does not exceed 140% (33.6 V DC) of the nominal rated supply voltage.

Operating temperature/Surrounding temperature:
-25 to +55 degrees C @ 250 mA @ 24 V DC.

Maximum surface temperature: 135 degrees C.

Pressure: 850 - 1050 millibar.

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, EN 60079-11, and EN 60079-15.

SUITABLE FOR USE IN CLASS I, DIVISION 2, GROUPS A, B, C AND D HAZ-ARDOUS LOCATIONS, OR NONHAZARDOUS LOCATIONS ONLY.

Warnings

- **WARNING - EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.**
- **WARNING - EXPLOSION HAZARD - WHEN IN HAZ-ARDOUS LOCATIONS, TURN OFF POWER BEFORE REPLACING OR WIRING MODULES.**
- **WARNING - EXPLOSION HAZARD - DO NOT DIS-CONNECT EQUIPMENT WHILE THE CURCUIT IS LIVE OR UNLESS THE AREA IS KNOWN TO BE FREE OF IGNITABLE CONCENTRATIONS.**
- **WARNING - EXPLOSION HAZARD - THE USB CON-NECTOR IS NOT FOR USE IN HAZARDOUS LOCA-TIONS AND FOR TEMPORARY CONNECTION ONLY. DO NOT USE, CONNECT OR DISCONNECT UNLESS THE AREA IS KNOWN TO BE NONHAZARDOUS. CONNECTION OR DISCONNECTION IN AN EXPLO-SIVE ATMOSPHERE COULD RESULT IN AN EXPLO-SION.**
- **WARNING - INSTALL IN AN ENCLOSURE CON-SIDERED REPRESENTATIVE OF THE INTENDED USE. TO COMPLY WITH ATEX DIRECTIVES, THE EQUIPMENT MUST BE INSTALLED WITHIN AN IP54 ENCLOSURE AND MUST BE INSTALLED WITH A TRANSIENT SUPPRESSOR ON THE SUPPLY THAT DOES NOT EXCEED 140% (33.6 V DC) OF THE NOMINAL RATED SUPPLY VOLTAGE.**

UL Certification



LISTED 67AM

Atex Certification

EX nA ic IIC T4 Gc



DEMKO 12 ATEX 1062548X

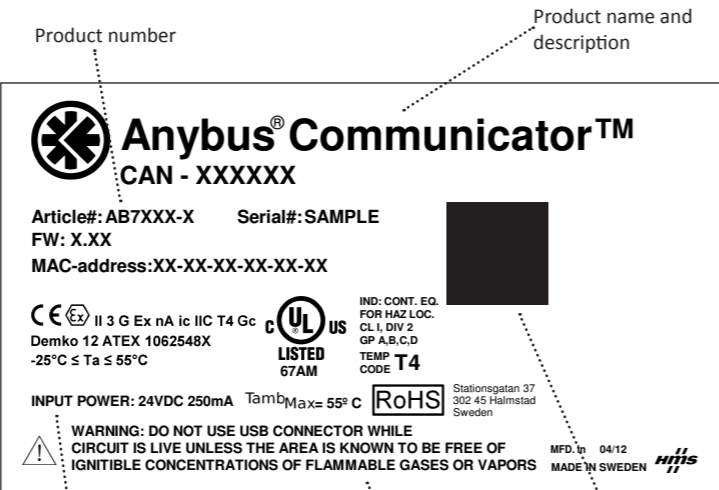
EMC Compliance (CE)



This product is in accordance with the EMC directive 2004/108/EC through conformance with the following standards:

- **EN 61000-6-4 (2007)**
Emission standard for industrial environment
EN 55016-2-3, Class A (2006)
- **EN 61000-6-2 (2005)**
Immunity for industrial environment
EN 61000-4-2 (2009)
EN 61000-4-3 (2006)
EN 61000-4-4 (2004)
EN 61000-4-5 (2005)
EN 61000-4-6 (2007)

Label Markings



Surrounding air temperature and electrical ratings

Warnings

Product information bar code

HMS Industrial Networks AB
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302 45 Halmstad
Sweden



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