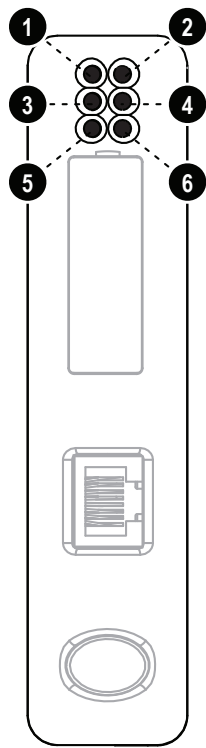


Module Front



LED Indicators

LED no	Indication	Meaning
1 (Communication Status)	Off	Not online
	Green	Online, connection with IO established, IO controller in run state
	Flashing Green	Online, connection with IO established, IO controller in stop state
2 (Module Status)	Off	No power / Not initialized
	Green	Initialized, no errors
	1 Sequential Green Blink	Diagnostic data available
	2 Sequential Green Blinks	Used by engineering tool to identify the module
	1 Sequential Red Blink	Configuration error
	3 Sequential Red Blinks	No station name or no IP address assigned
	4 Sequential Red Blinks	Internal error
3 (Link, activity)	Off	No link
	Green	Connected to an Ethernet network
	Flashing Green	Packets are received or transmitted
4 (Not used)	-	-
5 (Subnet Status)	Flashing green	Running, but one or more transaction errors
	Green	Running
	Red	Transaction error/timeout or subnet stopped
6 (Device Status)	Off	Power off
	Alternating red/green	Invalid or missing configuration
	Green	Initializing
	Flashing green	Running
	Red	Bootloader mode
	Flashing red	Note the flash sequence pattern and contact the HMS support department

Accessories Checklist

The following items are required for installation:

- Anybus Communicator Resource CD (Includes configuration software, manuals and application notes)
- RS232 configuration cable
- Subnetwork connector
- PROFINET network cable and connector (not included)

Installation and Startup Summary

- Mount the Communicator on the DIN-rail.
- Connect the Communicator to the PROFINET network.
- Connect the module to the subnetwork.
- Turn on the module (+24 V DC).
- Connect the configuration cable between the module and the PC containing the Anybus Configuration Manager software.
- Configure the module using Anybus Configuration Manager.
- Configure and start the PROFINET network.

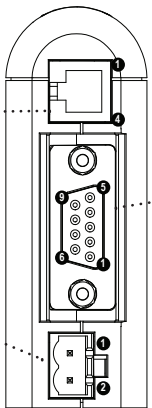
Bottom View

PC Connector:

- 1. GND
- 2. GND
- 3. RS232 Rx
- 4. RS232 Tx

Power:

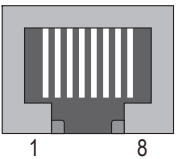
- 1. +24 V DC
- 2. GND



Subnetwork Connector

Pin no.	Description
1	+5 V OUT
2	RS232 Rx
3	RS232 Tx
4	NC
5	Signal GND
6	RS422 Rx+
7	RS422 Rx-
8	RS485+ / RS422 Tx+
9	RS485- / RS422 Tx-

PROFINET Connector



Pin no	Description
1	TD+
2	TD-
3	RD+
6	RD-
4, 5, 7, 8	Termination

Further information and documents about this product can be found at the product pages on [www.anybus.com](http://www.anybus.com).

## UL Certification



IND: CONT. EQ.  
FOR HAZ LOC.  
CL I, DIV 2  
GP A,B,C,D  
TEMP  
CODE  
E203225

## Warnings

- **WARNING - EXPLOSION HAZARD - SUBSTITUTION OF ANY COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.**
- **WARNING - EXPLOSION HAZARD - WHEN IN HAZARDOUS LOCATIONS, TURN OFF POWER BEFORE REPLACING OR WIRING MODULES.**
- **WARNING - EXPLOSION HAZARD - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NONHAZARDOUS.**

## Additional installation and operating instructions

Max Ambient Temperature: 55°C (for Hazloc environments)

Field wiring terminal markings (wire type (Cu only, 14-30 AWG)).

Use 60/75 or 75°C copper (Cu) wire only.

Terminal tightening torque must be between 5-7 lb-in (0.5 - 0.8 Nm).

Use in overvoltage category 1 pollution degree 2 environment.

Installed in an enclosure considered representative of the intended use.

Secondary circuit intended to be supplied from an isolating source and protected by overcurrent protective devices installed in the field sized per the following:

Control-circuit Wire Size		Maximum Protective Device Rating
AWG	(mm <sup>2</sup> )	Amperes
22	(0.32)	3
20	(0.52)	5
18	(0.82)	7
16	(1.3)	10
14	(2.1)	20
12	(3.3)	25

## EMC Compliance (CE)



This product is in accordance with the EMC directive 89/336/EEC, with amendments 92/31/EEC and 93/68/EEC through conformance with the following standards:

- **EN 50082-2 (1993)**  
EN 55011 (1990) Class A
- **EN 61000-6-2 (1999)**  
EN 61000-4-3 (1996) 10 V/m  
EN 61000-4-6 (1996) 10 V/m (all ports)  
EN 61000-4-2 (1995) ±8 kV Air Discharge  
±4 kV Contact discharge  
EN 61000-4-4 (1995) ±2 kV Power port  
±1 kV Other ports  
EN 61000-4-5 (1995) ±0.5 kV Power ports (DM/CM)  
±1 kV Signal ports

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