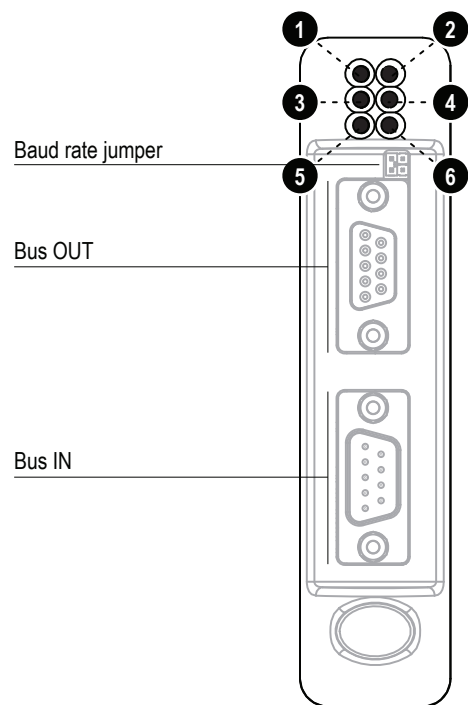


## Module Front

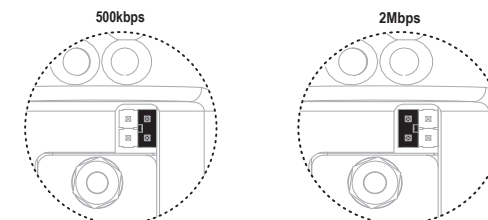


## LED Indicators

LED no	Indication	Meaning
1 (BA)	Green Off	Bus active Device not active (or no power)
2 (TR)	Green Off	PCP communication active (hold time = 500ms) No power
3 (CC/RC)	Green Off	Cable connection ok, INTERBUS not in reset mode Major failure
4 (RD)	Yellow	Remote bus disabled
5 (Subnet Status)	Flashing green Green Red	Running, but one or more transaction errors Running Transaction error/timeout or subnet stopped
6 (Device Status)	Off Alternating red/green Green Flashing green Red Flashing red	Power off Invalid or missing configuration Initializing Running Bootloader mode Note the flash sequence pattern and contact the HMS support department

## Baud rate jumper

The bus speed is selected using the on-board jumper:



## 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
- INTERBUS network cable and connector (not included)

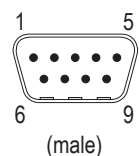
## Installation and Startup Summary

- Mount the Communicator on the DIN-rail.
- Connect the Communicator to the INTERBUS 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 INTERBUS network.

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

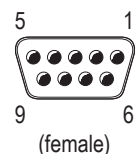
## INTERBUS Connectors

### Bus IN



Pin no	Description
Housing	Cable shield
1	DO1
2	DI1
3	GND
6	/DO1
7	/DI1
4, 5, 8, 9	NC

### Bus OUT

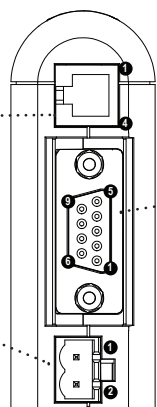


Pin no	Description
Housing	Cable shield
1	DO2
2	DO2
3	GND
5	GND
6	/DO2
7	/DI2
9	RBST
4, 8	NC

## 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	+5V 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-

**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

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