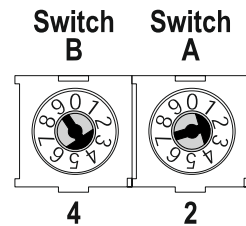
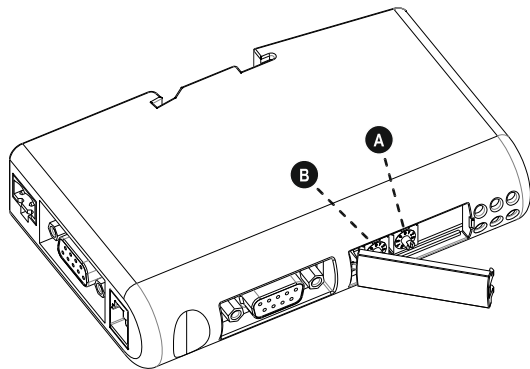


PROFIBUS CONFIGURATION SWITCHES

The configuration switches are used to set the PROFIBUS node address. Remove the plastic hatch to configure the switches (see image below). Note that the node address cannot be changed during runtime, i.e. the gateway requires a reset for changes to have effect.

The configuration is done using two rotary switches as follows: Node Address = (Switch B x 10) + (Switch A x 1)

Note: When removing the hatch and configuring the switches, avoid touching the circuit boards and components.



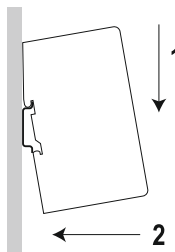
Example:
If the node address should be 42:
set switch A to "2" and switch B to "4".

CONNECTION CABLE MULTICOM 302 ↔ PROFIBUS DP GATEWAY

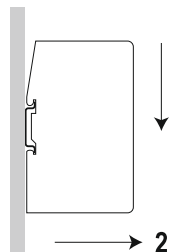
DB9 male PIN	connect to	RJ-45 PIN
5	↔	2
9	↔	3
8	↔	4

NOTE: Use a twisted pair to connect PIN #9 and #8 of DB9 to PIN #3 and #4 of RJ-45

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.

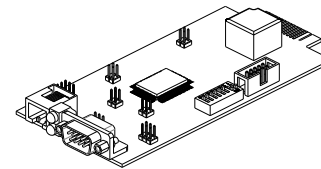


For additional informations, please download User Manual and GSD file from manufacturer's website.

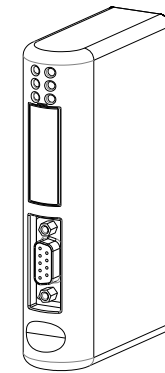
QUICK START MULTICOM 411

PRESENTATION

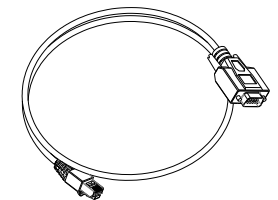
IN THE BOX



MultiCOM 302 board



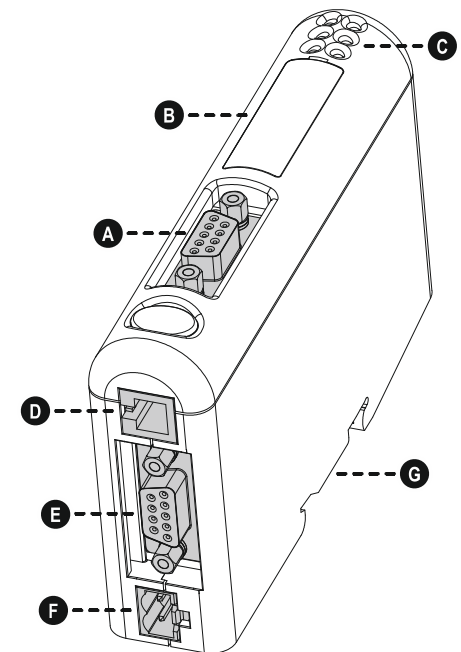
PROFIBUS DP Gateway



Connection cable between MultiCOM 302 and PROFIBUS DP Gateway

EXTERNAL VIEW

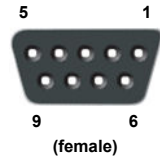
- A** PROFIBUS Connector
- B** Configuration Switches
- C** Status LEDs
- D** Reserved
- E** MultiCOM 302 Connector
- F** Power Connector
- G** DIN-rail Connector



PROFIBUS DP GATEWAY CONNECTORS AND LEDS

PROFIBUS CONNECTOR

PIN	Signal	Description
Housing	Shield	Bus cable shield, connected to PE
1, 2, 7, 9	-	-
3	B-Line	Positive RxD/TxD (RS485)
4	RTS ¹	Request To Send
5	GNDBUS ²	Isolated GND from RS-485 side
6	+5V BUS ²	Isolated +5 V output from RS-485 side (80 mA max)
8	A-Line	Negative RxD/TxD (RS485)

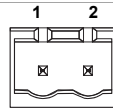


¹ May be used by some devices to determine the direction of transmission

² Used for bus termination; may also be used to power optical transceivers (RS485 to fibre optics)

POWER CONNECTOR

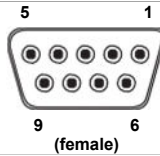
PIN	Description
1	+24 VDC (300 mA required)
2	GND



Note: no power supply is provided with the device.

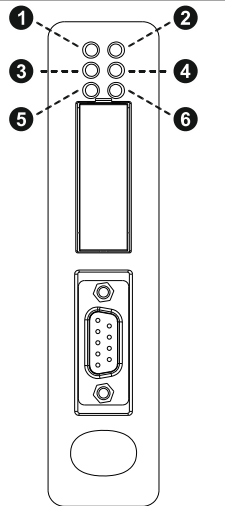
MULTICOM 302 CONNECTOR

PIN	Description
1, 2, 3, 4, 6, 7	-
5	Signal Ground
8	RS485+
9	RS485-

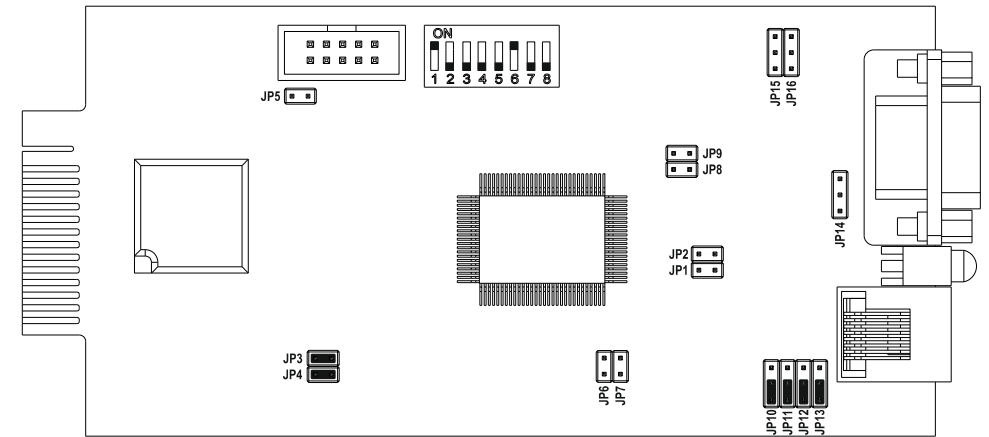


STATUS LEDS

#	State	Status
1 - PROFIBUS Online	Off	Not online
	Green	Online
2 - PROFIBUS Offline	Off	Not offline
	Red	Offline
3 - (Not used)	-	-
4 - PROFIBUS Diagnostic	Off	No diagnostics present
	Red, flashing 1Hz	Error in configuration
	Red, flashing 2Hz	Error in user parameter data
	Red, flashing 4Hz	Error in initialization
5 - Subnet Status	Off	Power off
	Green, flashing	Running correctly, but errors occurred
	Green	Running
	Red	Subnet error
6 - Device Status	Off	Power off
	Alternating Red/Green	Invalid or missing configuration
	Green	Initializing
	Green, flashing	Running
	Red	Bootloader mode
	Red, flashing	Contact support department



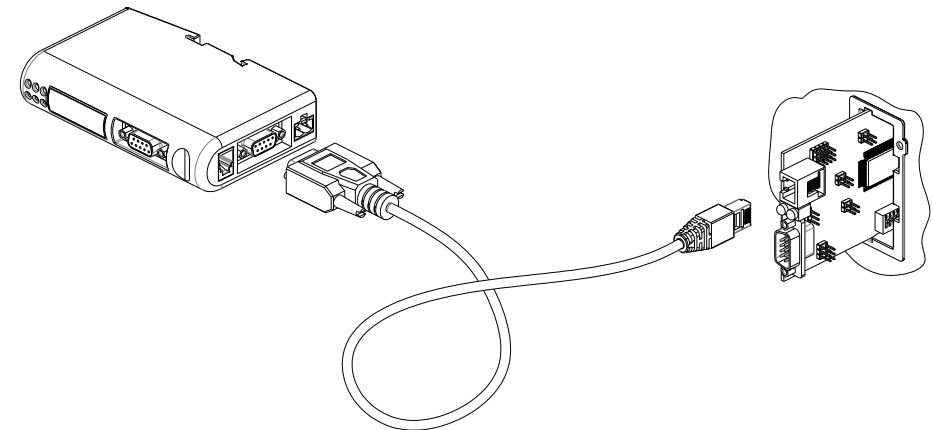
MULTICOM 302 JUMPER AND DIP SWITCHES SETTINGS



INSTALLATION

1. Remove the cover of the UPS expansion slot by removing the two retaining screws.
2. Insert MultiCOM 302 in the slot.
3. Fix the cover provided using the screws previously removed.
4. Connect the PROFIBUS DP Gateway to the MultiCOM 302 using the cable provided with the device.

NOTE: if necessary, you can also use another cable realized in accordance with the specifications (see *Connection cable MultiCOM 302 ↔ PROFIBUS DP Gateway*).



5. Set the PROFIBUS node ID (see *Configuration Switches*).
6. Connect the PROFIBUS DP Gateway to the PROFIBUS DP Network.
7. Connect the power cable and apply power.