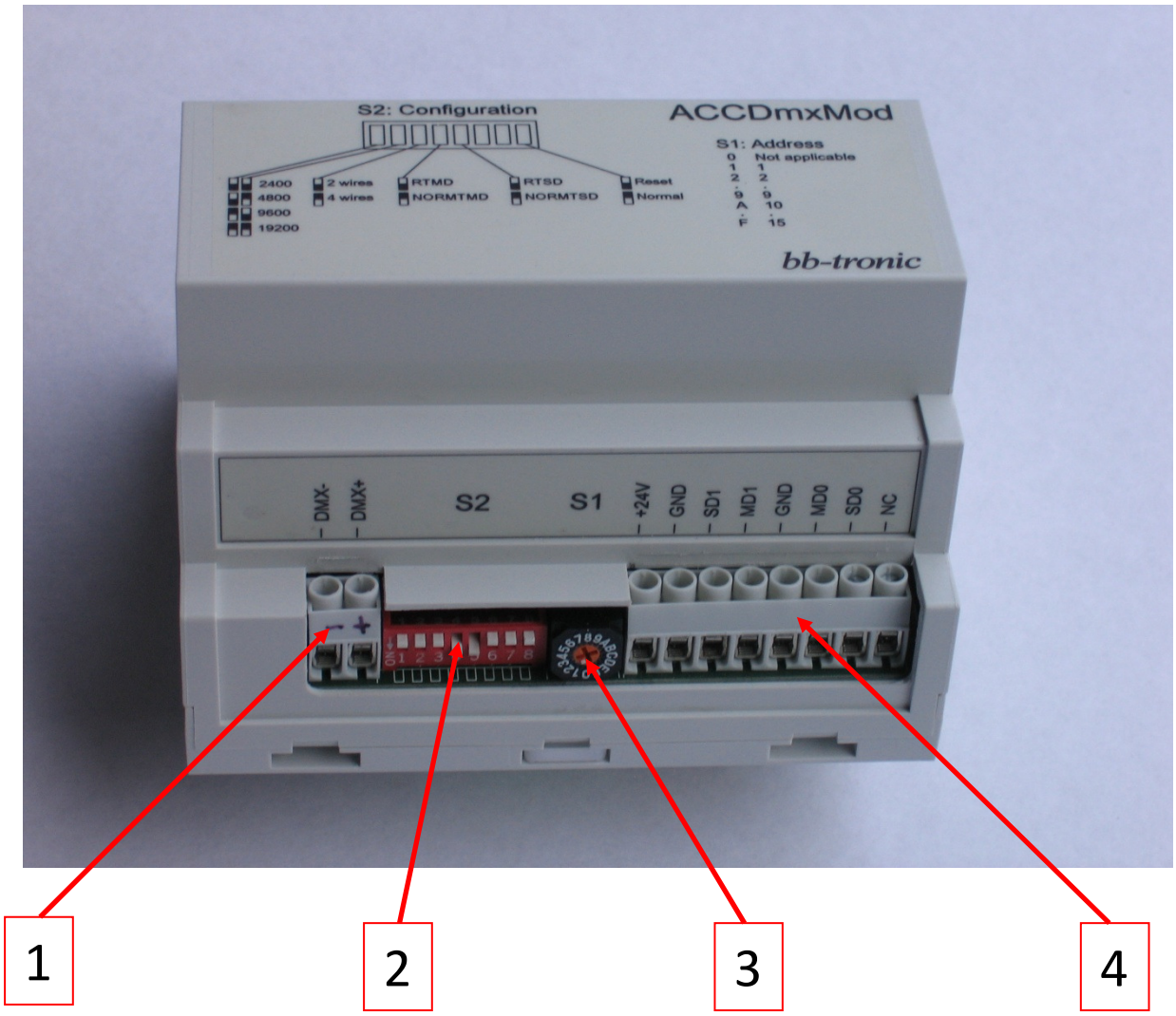
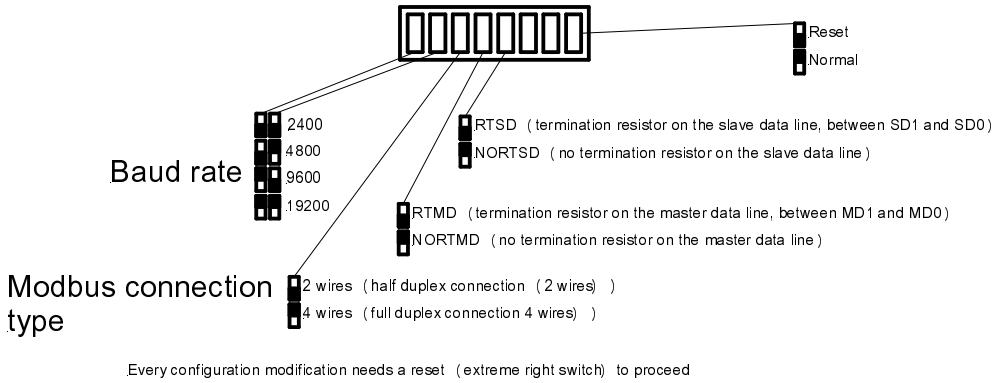
ACCDmxMod User Manual



1 : DMX Connection :

Connection	Signal
DMX-	Data – of the DMX512 connection
DMX+	Data + of the DMX512 connection

2 : ACCDmxMod Configuration



3 : Adresse Modbus de l'ACCDmxMod

0 Not applicable (master Address)
1 1
2 2
. .
9 9
A 10
. .
F 15

4 : ACCDmxMod power supply and Modbus connections

Connection	Meaning
+24V	Unit power supply, 8 to 35VDC accepted
GND	Unit ground
SD1	Data+ of the slave to master connection in the case of a 4 wires connection
MD1	Data+ of the master to slave connection in the case of a 4 wires connection or Data+ in both directions in the case of a 2 wires connection
GND	Modbus common point, groud
MD0	Data- of the master to slave connection in the case of a 4 wires connection or Data- in both directions in the case of a 2 wires connection
SD0	Data- of the slave to master connection in the case of a 4 wires connection

Modbus part

Communication speed : 2400 bps to 19200 bps
Address: 1 to 15
2 wires or 4 wires with or without termination resistor
RTU or ASCII dialog
Supported commands : command 06 (write to one register), command 16 (register(s) write)
Registers allocation for 06 and 16 commands:

Register number(decimal)	Content
0	Dmx512 frame MSB: byte 1 of the Dmx512 frame LSB: byte 2 of the Dmx512 frame
1	Dmx512 frame MSB: byte 3 of the Dmx512 frame LSB: byte 4 of the Dmx512 frame
2	Dmx512 frame MSB: byte 5 of the Dmx512 frame LSB: byte 6 of the Dmx512 frame
.....	.....
.....	.....
254	Dmx512 frame MSB: byte 509 of the Dmx512 frame LSB: byte 510 of the Dmx512 frame
255	Dmx512 frame MSB: byte 511 of the Dmx512 frame LSB: byte 512 of the Dmx512 frame