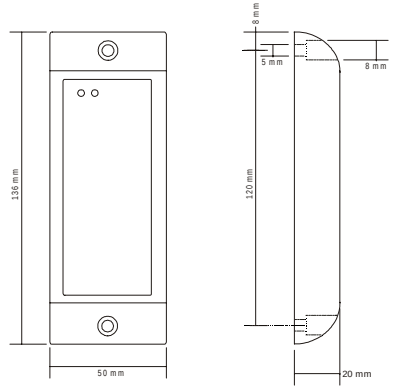
ProxLine MINI RS232



Connections

Wire colour	Function
blue	GND (0 V) PIN 5
red	12 V version : + 9 to + 14 Vdc (80 mA typ) PIN 9
white	RXD
yellow	RS232 Data TXD (see note 1) PIN 2
grey	Green LED (Connect to GND to lit)
brown	Red LED (Connect to GND to lit)
pink	Card Present (0,5 sec active low)
green	Not connected
buzzer	controlled internally (sounds when card is read)

Attention: Power supply must be well regulated, stable and free of noise.

ProxLine Mini Mid range proximity card readers

ProxLine Mini RS232

Data protocol :

2400 Bd, 1 start bit, 8 data bis, 2 stop bits, no parity
4800 Bd, 1 start bit, 8 data bis, 2 stop bits, no parity
9600 Bd, 1 start bit, 8 data bis, 1 stop bits, no parity

Description of a data block :

Each data block consists of 1 start byte (“#” or 23 hex), 11 data bytes, 1 stop byte (“CR” or 0D hex).
Each data byte presents 4 bits in the ASCII range “0” (30 hex) to “?” (3F hex).
The last data byte is a check sum, performing an XOR on the 4 least significant bits of each data byte. The result should equal “0”.
This corresponds to the internal checksum on the card.

Note 1 :

The outputted RS232 data can either be true RS232 (buffered) data or RS232 TTL data (not buffered, data outputted on TTL level).
Please refer to the reader’s reference label on the back of the reader for the correct version.

Note 2 :

When the reader is installed nearby computer terminals, TV monitors, high voltage power lines, etc, or when the reader is mounted on a metal surface, this could result in an important decrease of read range. Try mounting the reader in a different location to overcome this effect.