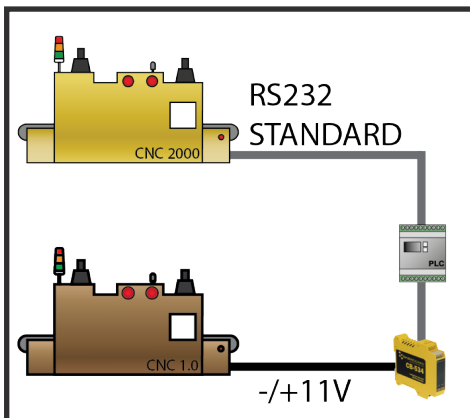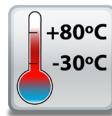# CB-534   Industrial Isolated RS232 Booster

RS232 Booster

- Boosts and isolates RS232 signals
- Max baud rate 120,000
- Works at all data word lengths, parity options and stop bit combinations
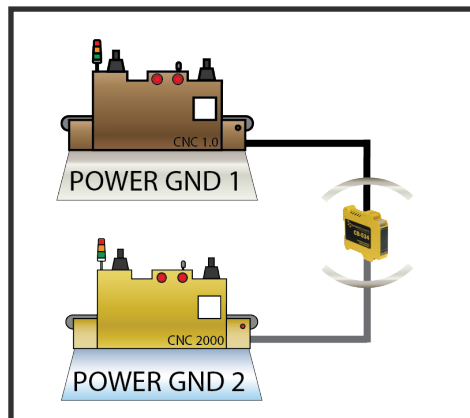- -30˚C to +80˚C/-22ºF to +176ºF Temperature range

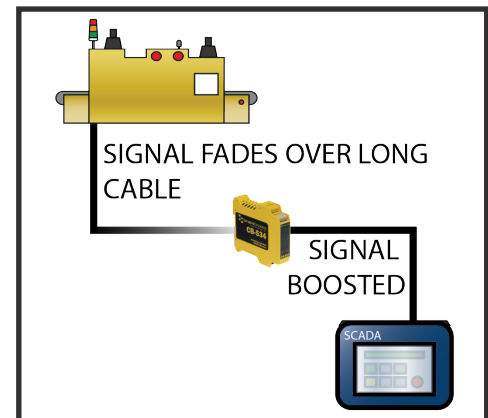|	ISOLATION	OUTPUT SWING -11V to +11V	RS232	RS422/485	PROTOCOL CONVERSION	MAX BAUD
CB-512	✓	✗	✓	✓	✓	1 Mb
CB-523	✗	✗	✓	✓	✓	1Mb
CB-534	✓	✓	✓	✗	✗	120 kb

IP20 | +80ºC -30ºC | RS232 | SCREW | DIN | OPTO Isolated

Connect to legacy equipment

RS232 STANDARD

-/+11V

Some machines require a larger voltage input than the RS232 standard. The CB-534 conditions the signal to make it suitable for legacy equipment.

Protect with Isolation

POWER GND 1

POWER GND 2

CB-534 isolates the connected devices from each other. This protects against relative differences in ground voltages.

Boost RS232 signal

SIGNAL FADES OVER LONG CABLE

SIGNAL BOOSTED

RS232 signal can degrade over long cable runs. The CB-534 boosts the RS232 signal enabling additional distance between connections.

CB-534 — Industrial Isolated RS232 Booster

Easy Wire Removable screw terminal blocks

2 Port Serial RS232

Integral DIN rail clip with earth

-30ºC to +80ºC/-22ºF to +176ºF temperature range

LED status indication

IP20 Non-conducting polyamide case with vents

Wide Range Input Power: +5VDC to +30VDC

Booster for RS232 signal can extend cable length. Works with a wide voltage swing and outputs -11V to +11V signal making it suitable for legacy and non-conforming RS232 equipment. Provides isolation between two RS232 devices. This product doesn't require any software, simply connect using the easy-wire numbered terminal blocks.

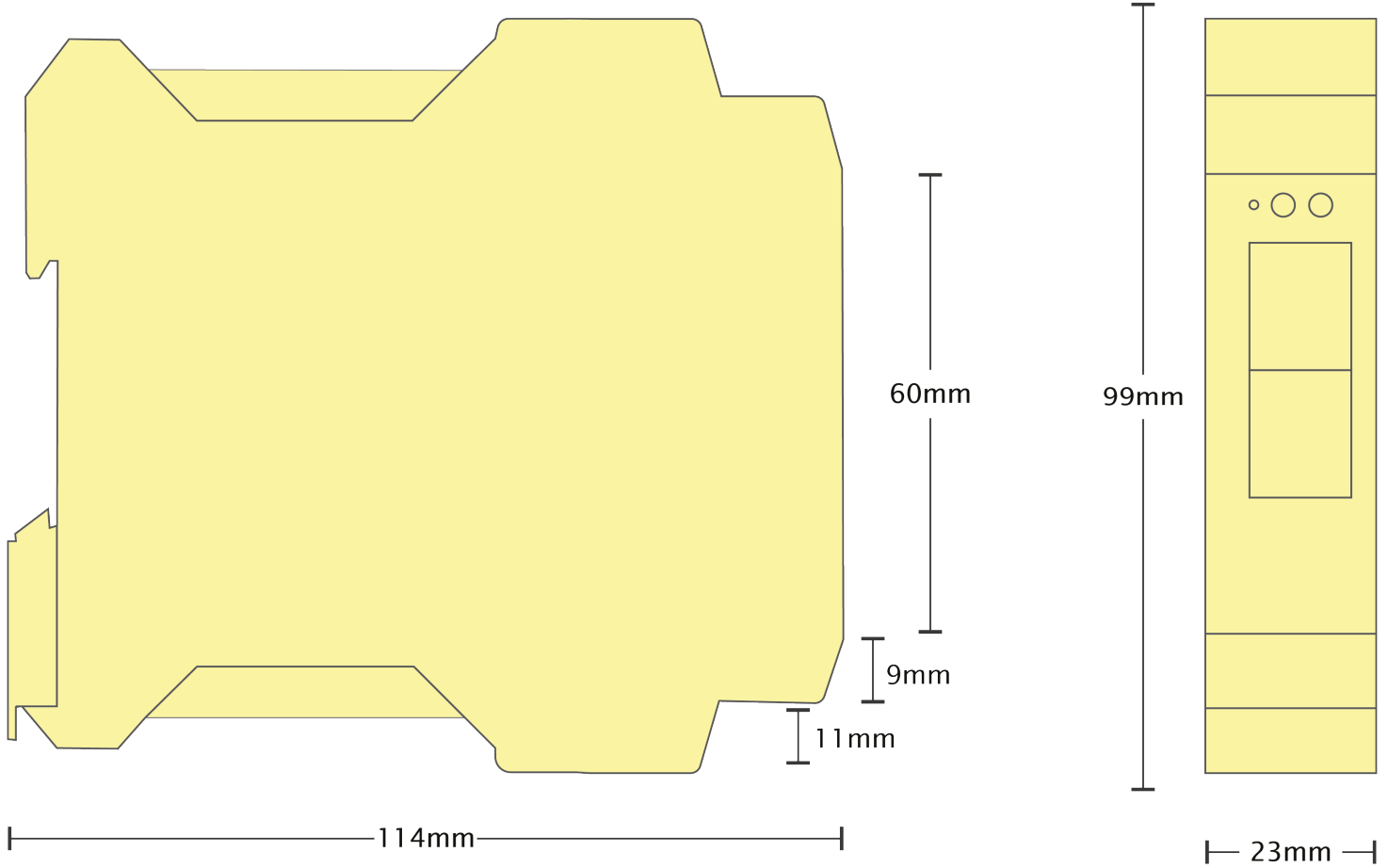| Connectors	
Screw Terminals	3.5mm pitch, #22 - #14, 0.5mm^2-2.5mm^2 pin
Conductor Wire	28 to 16 AWG, 0.14mm to 1.5mm Max
Environmental	
Operating Temperature	-30°C to +80°C / -22ºF to +176ºF
Storage Temperature	-40°C to +85°C / -40ºF to +185ºF
Ambient Relative Humidity	5 to 95% (non-condensing)
Serial Port	
Ports	2 RS232
Port Settings	
Baud Rate	120,000 max
Output signal swing	Typ. +/- 11V into RS-232 compliant load
Signals supported	TXD, RXD, RTS, CTS
Power Supply	
Power Supply input	Redundant DC Dual Power Inputs, reverse polarity protected +5 VDC to +30VDC
Power Consumption	2.5 Watt typical 110mA@24V

CB-534 — Industrial Isolated RS232 Booster

Housing	IP-20 rated non-conducting polyamide case

60mm

99mm

9mm

11mm

114mm

23mm

Terminal Block Pin Outs: Yellow: Port 1 / Grey: Port 2

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
RS232	SIG GND	CTS	RxD	RTS	TxD
Black: +5V to +30V DC Power Input					
Power	-V	+VA	+VB	-V	Func GND

Lifetime Warranty and Support:
We can help with every aspect of your project, from getting you up and running to custom application.