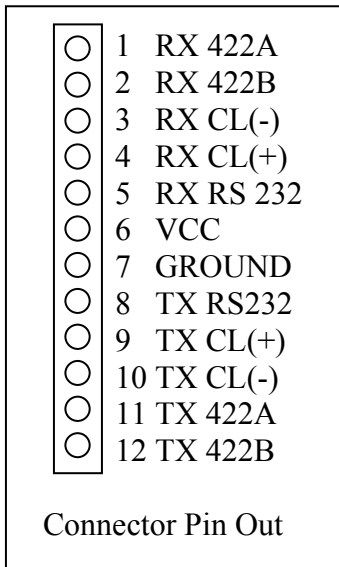


# Data Converter Manual

The Data Converter receives a signal and converts it to a different transmitting signal. Place the jumper in the position indicating the receiving input type (RS232, Current Loop, or RS422) according to the input diagram in the "Input Wiring Configuration" Column. When properly wired and data is being transmitted the red LED will flash with every data transmission.

Use the "Output Wiring Configuration" column to configure wiring to output the desired protocol. The wiring diagram assumes the data converter is converting a signal from an indicator to a scoreboard



## Input Wiring Configuration

### I Indicators with Active 20mA Output

Indicator	Data Converter
+20 mA	4 RX CL(+)
-20 mA	5 RX CL(-)

### II Indicators with Passive 20 mA Output

Indicator	Data Converter
+20 mA	6 VCC
-20 mA	3 RX CL(+)
JUMP	4 RX CL(-)
JUMP	7 GROUND

### III Indicators with RS232 Output

Indicator	Data Converter
TXD	5 RX RS232
GROUND	7 GROUND

### IV Indicators with RS422 Output

Indicator	Data Converter
422A (+)	1 RX 422A
422B (-)	2 RX 422B

## Output Wiring Configuration

### A Scoreboards with Active 20mA Input

Data Converter	Scoreboard
9 TX CL(+)	RX CL(+)
10 TX CL(-)	RX CL(-)

### B Scoreboards with RS232 Input

Data Converter	Scoreboard
8 TX RS232	RX RS232
7 GROUND	GROUND

### C Scoreboards with RS422 Input

Data Converter	Scoreboard
11 TX 422A	RX 422A (+)
12 TX 422B	RX 422B (-)

## Wiring Examples

To connect an indicator with a RS 232 output with a scoreboard that needs a current loop input you would use "input" diagram III and "output" diagram A and put the jumper on RS232.

To connect an indicator with a Current Loop Passive output with a scoreboard that needs a RS 422 input you would use "input" diagram II and "output" diagram C and put the jumper on C LOOP.



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