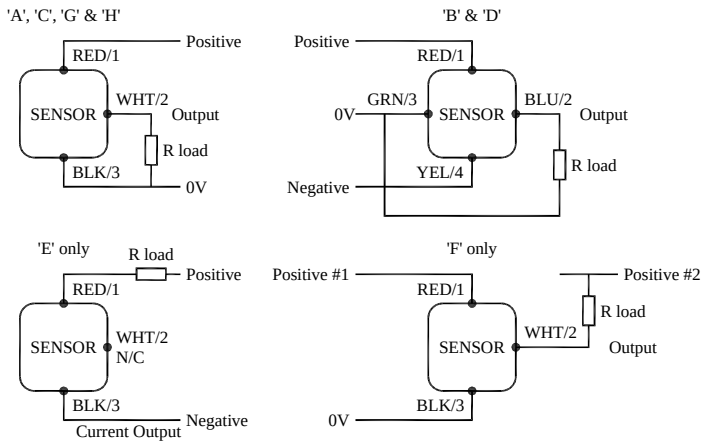
POSITEK LIMITED

Installation Information

Sensor Connections

Electronics Option	Output Description:	Supply Voltage: (Vs)	Output:	Load resistance: (include leads for 4 to 20mA O/Ps)	Load connected to:
A	Voltage (ratiometric with supply)	5±0.5V	0.5 to 4.5V	5kΩ min	0V
B	Voltage	± 9 to 28V	± 5V	5kΩ min	0V
C	Voltage	13 to 28V	0.5 to 9.5V	5kΩ min	0V
D	Voltage	± 13 to 28V	± 10V	5kΩ min	0V
E	2 wire Current Loop	18 to 28V	4 to 20mA	R_L = Vs-18/20mA 300Ω @ 24V	In supply lead
F	3 wire Current Loop - Sink	13 to 28V	4 to 20mA	R_L = Vs-5/20mA 950Ω @ 24V	Vs
G	Voltage	9 to 28V	0.5 to 4.5V	5kΩ min	0V
H	3 wire Current Loop - Source	13 to 28V	4 to 20mA	300Ω max	0V

Connector -option J or K	**Cable** - option I, L or M		**Electronics Option**								
Pin N°	**3-Core**	**4-Core***	**A**	**B***		**C**	**D***		**E**	**F#**	**G**	**H**
			All	**J or K**	**I, L or M**	**All**	**J or K**	**I, L or M**	**All**	**All**	**All**	**All**
1	**Red**	**Red**	+5V	+15V	+15V	+24V	+15V	+15V	+24V	+24V	+24V	+24V
2	**White**	**Blue**	O/P	O/P	O/P	O/P	O/P	O/P	N/C	O/P	O/P	O/P
3	**Black**	**Green**	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V
		Yellow	-	-	-15V	-	-	-15V	-	-	-	-
4	**Screen**	**Screen**	Body	-15V	Body	Body	-15V	Body	Body	Body	Body	Body



*** Sensors with the cable and output options B or D come with 4-core cable, all other output options have 3-core cable.**
 # Output option F; the load may be returned to any positive voltage, up to 28 volts maximum, provided the voltage at the output pin is greater than 5 volts at all times.

Incorrect Connection Protection levels:-

A **Not protected** – the sensor is **not** protected against either reverse polarity or over-voltage. The risk of damage should be minimal where the supply current is limited to less than 50mA.

B & D Supply leads diode protected. Output must not be taken outside ± 12V.

C & G Supply leads diode protected. Output must not be taken outside 0 to 12V.

E, F & H Protected against any misconnection within the rated voltage.

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