


SPV 5 to 28V HTL compatible

This interface provides output levels equivalent to the supply voltage to the unit within the range 5-28Vdc.

SPC 5 to 28V Open Collector

This interface requires an external pull-up resistor. The pull-up voltage can be different to the supply voltage.

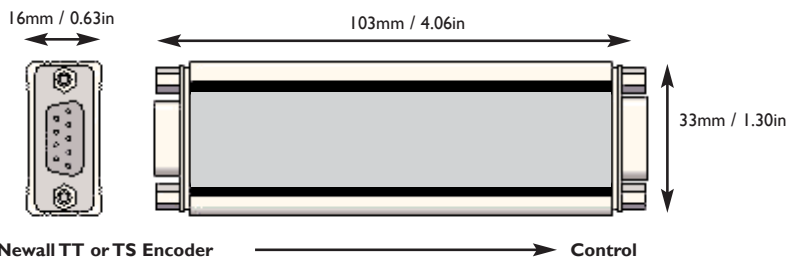
Model	SPV (Part No. 600-83490) SPC (Part No. 600-83500)	Vout = Vin (Line driver ET7272) Open Collector (Line driver ET7273)
Power requirements	Voltage Current with encoder	5V to 30V ± 5% 200mA max
Output signals	Differential quadrature signals Phase angle A to B Frequency range	A, B, \bar{A} , \bar{B}  90° 0-2MHz, equivalent to 2ms ⁻¹ with 1µm resolution
Reference mark Signal	Differential Reference RM & \bar{RM} Periodic or Single Point	As per Encoder
Enclosure	Material Sealing	Aluminium extrusion IP54
Temperature	Operation Storage	0 to 70°C -20 to 85°C

Connection Details

9D Connector Pin No.	Module (female) RS422	Module (male) Vout = Vin or Open Collector
1	N/C	N/C
2	A	A
3	/A	/A
4	B	B
5	/B	/B
6	0V	0V
7	5V	5-28V
8	RM	RM
9	/RM	/RM
Shell	Gnd	Gnd



Dimensions



Installation

The module is to be situated between the encoder and the control system and connected as per the above pin-out. Care must be taken to ensure the location of the module is such that it is not exposed to environmental conditions beyond its IP rating. Ensure that the connection locking is secure.