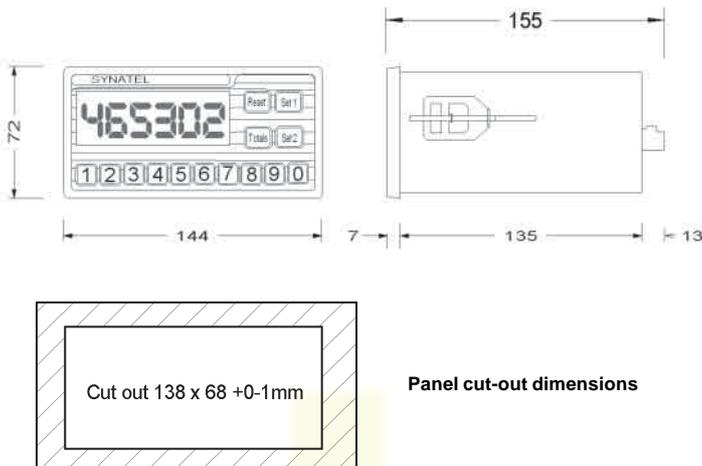


SLIC - SPECIAL FUNCTION

Non-standard, special function counter/tachometer unit with special input and/or output configuration. Digital or analogue input capability. Relay, opto-isolated transistor or analogue outputs with RS232 communication facility. High brightness vacuum fluorescent display.



Dimensions

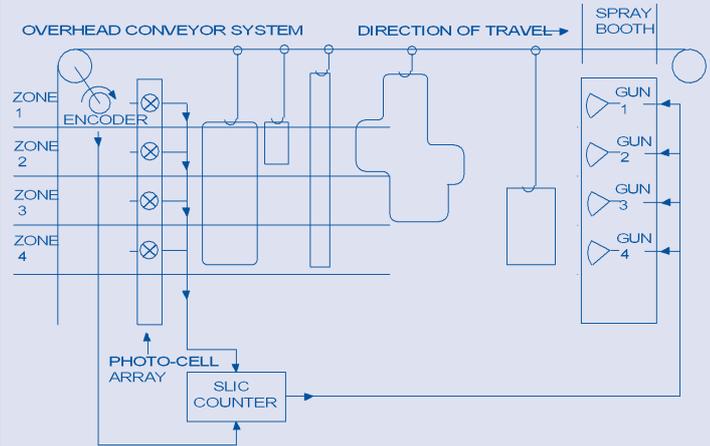


SPECIFICATION - GENERAL.

Units can contain a selection of the following specifications:

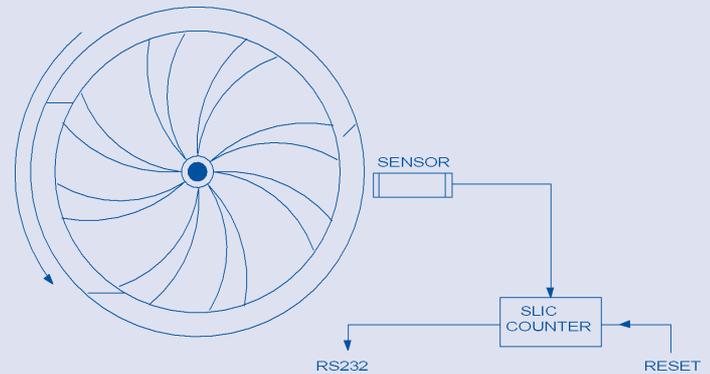
Supply	110/230V ac plus a selection of dc supplies.
dc Supply Out	24V output available when mains powered. Reverse and over-volt protected.
Inputs	6 circuits, referenced to 24V dc supply. 2 optionally connected as a quadrature decoder. Fast/Slow response selectable (common control). pnp/npn selectable (common control). ESD protected.
Outputs	4 x Normally open relay contacts, 5A 240V ac non-inductive maximum.
Keyboard	Membrane, 14 keys, 0-9, Reset, Totals, Set 1 & Set 2.
General	Power fail detection with battery back-up, sufficient for at least 1 month.
Protection	IP41.
Connection	Screw terminals on rear of unit.
Weight	530g.

Application Examples



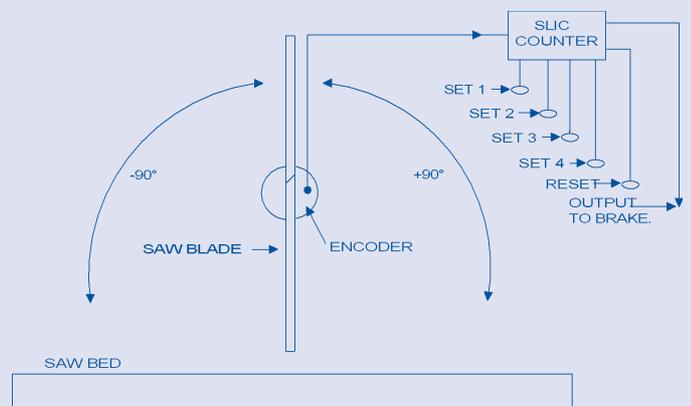
Spray Control System

The object is to spray each item using guns 1-4 as appropriate, wasting as little paint as possible. Items are detected by photo-cells which must be mounted outside the spray booth and the SLIC records the number of encoder pulses for which the item is detected. This information transfers into a shift register which tracks the item from the photo-cell to the spray guns to spray the object. Facilities are incorporated to over or underspray the object if necessary.



Gyro Test Unit

The Turbine is run up to a specific speed of 1400 RPM and then allowed to free wheel. The unit displays speed and when the speed falls to 11000 RPM it switches to displaying lapsed time. When the speed falls to 800RPM the time is displayed until the next test sequence. An RS232 output is provided for analysis by computer.



Saw Angle Controller

The SLIC displays the angular position of the saw and provides an output to apply a brake at one of four preset settings. The presets are set on the SLIC which displays to an accuracy of 0.1. An adjustable dead band can be incorporated. The reset resets the display to 90.0 which then reads + and - zero to 90.0 dependent upon the direction of rotation. The display is scaleable to suit any encoder.