

**Rotary Paddle Level sensor
STEP-A-MATIC
SML1A**
(ATEX approved)

The Step-a-Matic uses a unique drive system employing a stepper motor instead of the usual synchronous motor. This uses a direct drive eliminating the need for gearboxes & clutches, and makes the drive virtually indestructible.

It also allows the motor to rotate in both directions and to 'shake' to discard clinging material from the paddle.

A variable torque setting control means that a single paddle is suitable for virtually all applications.

Failsafe circuitry gives ultra-reliable operation.

Variable output time delay is provided as standard.

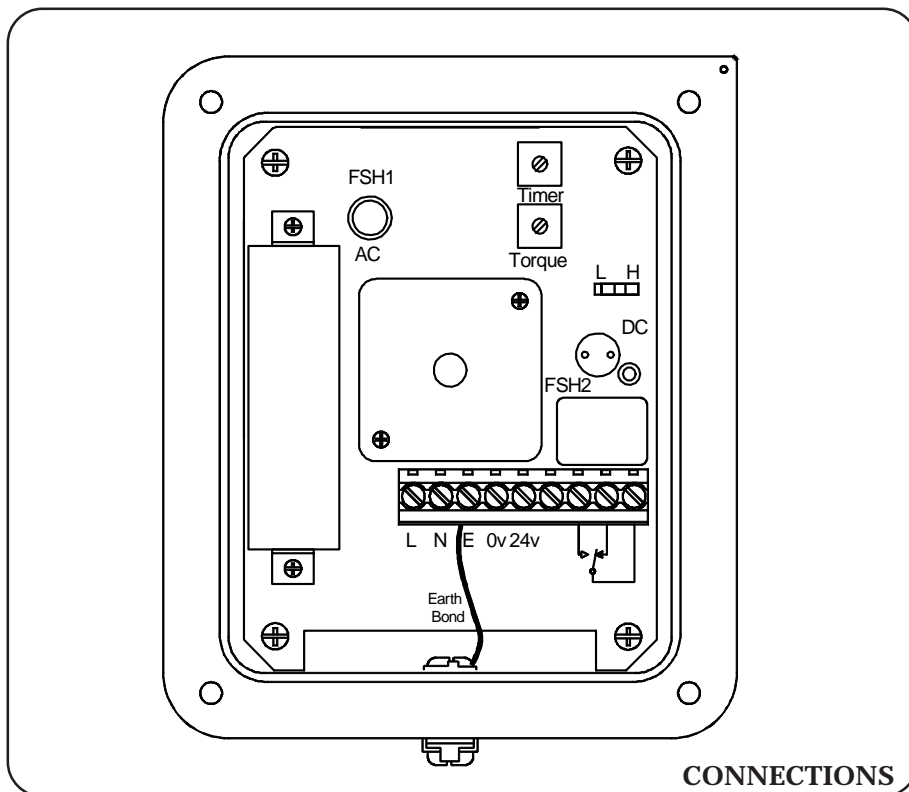
- * **Patented stepper motor drive. Direct drive eliminates gear boxes & clutches.**
- * **Variable torque control. One paddle suits ALL applications.**
- * **Two way rotation with 'Shake' action to discard clinging material.**
- * **Fail safe operation.**
- * **MultiVoltage supplies. 24V dc, 90-260V ac.**

SPECIFICATION

APPROVAL No.	BAS01ATEX1400X ExII 1D T160°C Tamb -20°C to +50°C IP65									
SUPPLY	24V dc, 90-260V ac 50/60Hz.									
SUPPLY TOLERANCE	+6.5%.to-10%.									
SUPPLY CABLE SIZE	Min: 1 sq.mm Max: 4 sq.mm									
SUPPLY CABLE FUSE/Cct BREAKER (max rating):	5A									
LOAD	6VA. max ac, 50mA max dc.									
AMBIENT TEMPERATURE	-10°C to +50°C.									
OUTPUT	1 set of volt free relay change-over contacts rated at 2.5A 240 V ac non-inductive.									
OUTPUT MODE	High or low level, selected by a switch.									
TORQUE ADJUSTMENT	Electronic torque control fitted.									
TIME DELAY	Adjustable via potentiometer, 0-30 seconds delay on material arriving and leaving.									
INDICATORS	LED shows power on.									
CABLE ENTRY	20mm conduit entry.									
MOUNTING	Via 1" B.S.P Parallel thread.									
CONNECTIONS	Screw terminal block.									
PADDLE/EXTENSION	Stainless steel.									
ENCLOSURE	Flame retardant, glass filled nylon enclosure. (Modified polyamide 66).									
PROTECTION	IP65.									
WEIGHT	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">SML1A</td> <td style="width: 50%; text-align: right;">2Kg</td> </tr> <tr> <td>Twin blade paddle</td> <td style="text-align: right;">200g</td> </tr> <tr> <td>2 metre ext. cable</td> <td style="text-align: right;">325g</td> </tr> <tr> <td>1" BSP mounting flange</td> <td style="text-align: right;">200g</td> </tr> </table>		SML1A	2Kg	Twin blade paddle	200g	2 metre ext. cable	325g	1" BSP mounting flange	200g
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HOW TO ORDER:-

1. Order Step-a-Matic **SML1A**.
2. Order paddle & extensions as required (see chart)



Probe Description	Order Code
Step-a-Matic SML1A Head Unit	822-021
Twin Blade Stainless Steel Paddle	822-026
2 metre Stainless Steel Extension Cable	823-013
1" BSP Polyprop. Mounting flange	822-025