

Starpoint 12RM Reel Mechanism Product Summary

Description

The 12RM is a well proven modular reel mechanism, in use world-wide. Providing the widest selection of build options, with five (5) different motors, four (4) reel drum widths and five (5) different electrical interfaces. The unit is of modular design and proven reliability. Quick release feet allow removal of the reel mechanism without the need for tools. The 12RM is available with optional rear symbol illumination.

Electrical Outline

The 12RM is available with either 48 step 12v dc or 24v dc , 100 step 24vdc, 200 step 12vdc, or 24vdc motors. Connection is made to the unit with a 15 way connector. The 12RM has an interface PCB offering a variety of machine interfaces. A photo optic detector provides position information of the reel drum and band symbols. Dependant on the reel band width, either 3 or 6 lamps are available for rear illumination of the reel band symbols. The lamps are available with an optional integral diode in circuit, to allow for Matrix connection and wire harness savings (request the matrix information sheet for more data). More detailed information is available in the Technical Information Pack which can be requested when ordering samples.

Mechanical Outline

Dimensional information is shown on the reverse of this Product Summary. The rear illumination lamp array angle can be adjusted between 0° and 180° split in 72 steps, it is recommended that this adjustment is factory set as it is interrelated to the motor phase setting. The dimensions for fitting the quick release mounting feet are detailed on the reverse of this sheet. Fixing for the reel band onto the reel drum is by plastic rivets or double sided tape.

Sample Ordering

When requesting samples a brief specification is needed which identifies the basic options.

Motor Type	48 step		100 step	200 step		
	12vdc	24vdc	24vdc	12vdc	24vdc	
Reel Drum Width	56mm	66mm	79.5mm	90mm		
Lamp Array Angle	0° to + 180°			0° to - 180°		
No. of Symbols	12	16	20	22	24	25
Are integral diode required with the lamps?						

If you require a sample please fax Starpoint on +44 (0)20 8391 7760 with your required options from the above and intended application. The sample will be sent complete with Technical Information giving applications information and details of how to specify your exact product requirement in the future.

Starpoint 12RM Reel Mechanism Dimensional Information

12RM DIMENSIONAL INFORMATION

'A'	'B'	'C'	'D'	'E'	'F'	'G'
229.5	56	85.75	44.75	72.75	250.75	57.4
229.5	66	85.75	49.75	82.75	250.75	62.4
229.5	79.5	99.25	56.5	96.25	250.75	69.2
229.5	90	109.75	61.75	106.75	250.75	74.4

