

Starpoint 17RM Reel Mechanism

Product Summary

Description

The 17RM is a low cost, modular Reel Mechanism with stepper motor drive. The reel tape is mounted on a traditional double sided reel drum. An integrated moulding with motor, position detection and illumination allows easy adjustment of the lamp array angle. This patented feature simplifies both manufacturing and servicing. The 17RM is available with 4 different reel drum widths from 57mm to 90mm, quick release mounting feet allow easy installation and removal.

Electrical Outline

The 17RM is available with either 48 step 12vdc or 24vdc & 100 step 24vdc motors. Connection is made to the unit with a 15 way connector. A photo optic device provides detection of the reel drum and symbol position. Dependant on reel drum 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). Further more detailed technical information is available in the 17RM 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° to 180° with only a small gap for mounting requirements, it is recommended that this adjustment is factory set. The dimensions for fitting the quick release mounting feet are detailed on the reverse of this sheet. Fixing for the reel band onto the drum is by plastic rivets or double sided tape.

Sample Ordering

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

Motor Type	48 step 12vdc	48 step 24vdc	100 step 24vdc		
Reel Drum Width	57mm	66mm	79.5mm	90mm	
Lamp Array Angle	0° to + 180°				
No of Symbols	12	16	20	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 17RM Reel Mechanism Dimensional Information

'A'	'B'	'C'	'D'	'E'	'F'	'G'
206	57	90	47	87	239	60.1
229.5	66	88	51.5	85	250	64.6
229.5	79.5	101.5	58.25	98.5	250	71.4
229.5	90	112	63.5	109	250	76.6

