M180 option: Increases pulse output hysteresis to a percentage of a shaft revolution (depending on model). That is, the encoder generates pulses as long as it continues to rotate in one direction. If the direction reverses then pulse output ceases until the encoder returns to its original direction of rotation and to its position before reversing. If the reverse direction exceeds the hysteresis maximum then the encoder continues to withhold the output pulses, and only begins pulsing after it returns to its original direction of rotation and has rotated an amount equal to the hysteresis maximum.
Optionally, the direction of rotation can be determined by setting a DIP switch.
Rotation in the opposite direction results in no output pulses.
DIP switch settings, if used, are shown on the encoder label.

Example model number: RH-192/8-30 M180
Description: RH encoder with 192 pulses per revolution, 8-30 vdc supply, and M180 option.

Encoder Model	Hysteresis Maximum	Maximum RPM	Maximum reverse direction linear movement	
			Assuming 12" wheel	Assuming 30cm wheel
RH-192/... M180	85.33 revolutions	1500	1024"	2560cm
...-168/... M180	97.52 revolutions	1500	1170.3"	2925.7cm
...Q-1344/... M180	12.19 revolutions	1500	146.3"	365.7cm

Rev	Description	Date	Tolerances	M180 option: Encoder with Enhanced Anti-Jitter and Unidirection only output	
a	Added ...Q-1344/... M180	2/9/05	.XXXX ± .0005 .XXX ± .005		
b	Made DIP switches optional	8/27/13	.XX ± .01 .X ± .015	BY: TRD MAT'L: n/a	
			Fractions ± 1/32 Angles ± 15 min.	DATE: 2/02/05 FINISH: n/a	SCALE: n/a
			Runout ± .003 Unless otherwise specified	PHOTOCRAFT, Inc. Elburn, Illinois	8A180b