

Specifications			
Model	MJ100	MJ110	
Power supply	DC5V(4.5V ~ 6V)	DC12V ~ 30V(11V ~ 31V)	
Power supply voltage			
Power consumption	2,5 W	2 W	
Output interface	Line driver (EIA-422 compliance)	NPN open collector(IOL=50mA max.)	
Output	AB quadrature· Z phase· UVW phases· Alarm	AB quadrature· Z phase· Alarm	
Number of divisions	1000, 960, 800, 512, 500, 480, 400, 256, 240, 200, 128, 120, 100, 80, 64, 40 and 1/2 of each of these (which does not satisfy the synchronized reference point specifications.)		
Maximum response speed	1000divisions	6kHz: when connected to PL25, 1800m/min when connected to PL60, 720m/min	600Hz :when connected to PL25, 180m/min when connected to PL60, 72m/min*1
	500divisions	15kHz: when connected to PL25, 4500m/min when connected to PL60, 1800m/min	1.5kHz: when connected to PL25, 450m/min when connected to PL60, 180m/min*1
	200divisions	42kHz: when connected to PL25, 12600m/min when connected to PL60, 5000m/min	4.2kHz: when connected to PL25, 1260m/min when connected to PL60, 500m/min*1
	120divisions	70kHz: when connected to PL25, 21000m/min when connected to PL60, 8400m/min	7.4kHz: when connected to PL25, 2220m/min when connected to PL60, 888m/min*1
Phase difference	100ns	1μs	
Alarm*2	Speed alarm (minimum phase difference time or maximum response frequency); Level alarm (0.4 Vp-p or less); Minimum alarm time: approximately 400 ms		
System startup time	Within 0.5 seconds after the power comes on line		
Compatible head unit	PL25 (with SL110/SL130) or PL60 (with SL331)		
Operating temperature	0°C ~ 45°C		
Storage temperature	-20°C ~ 60°C		
Dimensions	138×93×26(mm) including protrusions		
Mass	350 g		
Accessories	Manual· Output connector· Connector cap· Mounting screws· Ferrite core		
Option	SET-P16-1 (for external reference point), Scale extension cable, External reference point extension cable, Output connector with cable		

*1 These value for a minimum phase difference of 1 μs may vary depending on the output cable length.

*2 The alarm function may not operate when an abnormal offset is generated due to a broken wire, etc