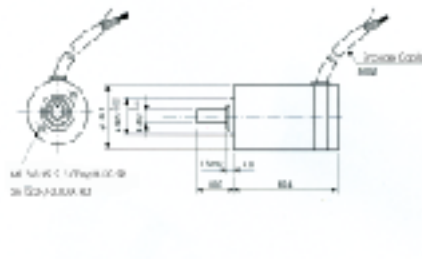
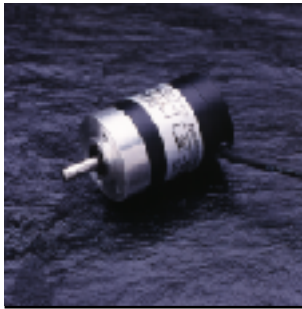
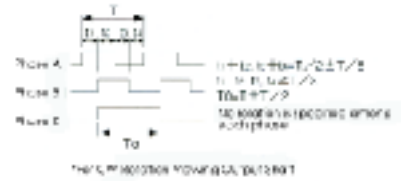


# Photo Encoder and Tacho

## E-16 Series: 16mm Dia. 400P/R and 1000P/R, 3CH



Pin No.	Color
1	Brown
2	Black
3	Green
4	Yellow
5	White



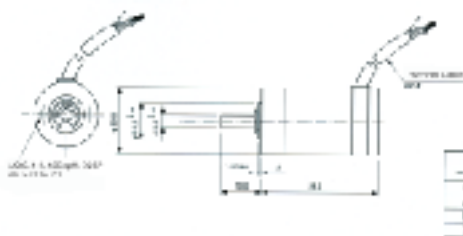
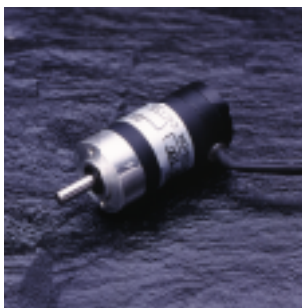
E-1630-040 (400P/R)

Configuration

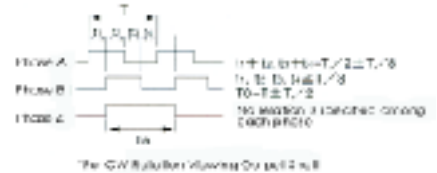
Sensor Output Logic

E-1630-100 (1000P/R)

## E-20 Series: 20mm Dia. 500P/R and 1000P/R, 3CH



Pin No.	Color
1	Brown
2	Black
3	Green
4	Yellow
5	White



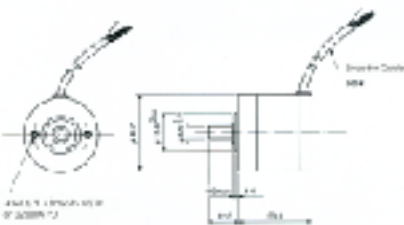
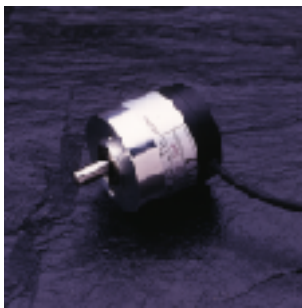
E-2028-050 (500P/R)

Configuration

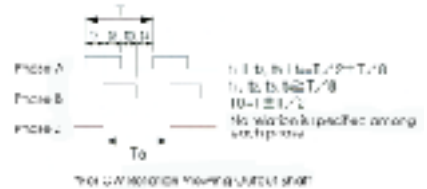
Sensor Output Logic

E-2028-100 (1000P/R)

## E-30 Series: 30mm Dia. 1000P/R and 2000P/R, 3CH



Pin No.	Color
1	Brown
2	Black
3	Green
4	Yellow
5	White



E-3030-100 (1000P/R)

Configuration

Sensor Output Logic

E-3030-200 (2000P/R)

Parameter	E-1630	E-2028	E-3030	Remarks
Type	Incremental Photoencoder			
Power Supply Voltage	5V±/-5%			
Resolution	400P/R, 1000P/R	500P/R, 1000P/R	1000P/R, 2000P/R	
Channels	3CH			
Dissipation	60mA or less			
Output Circuit	Open Collector Output			
Output Voltage	VH4.0V(2KOhm) VL0.5V			
Sink Current	20mA			
Rise Time	1microSec. Or less			
Fall Time	1microSec. Or less			
Max. Frequency Response	100KHz		150Hz	
Light Emitting Element	Light Emitting Diode			
Receiving Optics Element	Photodiode Array			
Operating Temp. Range	0°C/70°C			
Storage Temp. Range	-10°C/85°C			