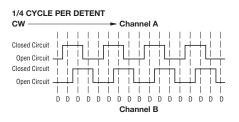


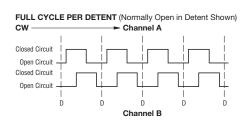
Features

- Incremental encoder / quadrature output
- Exceptionally long operating life
- Sturdy construction
- Bushing mount
- Available with PC board mounting bracket (optional)

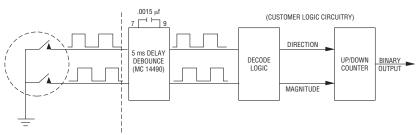
ECW - Digital Contacting Encoder

Electrical Characteristics	
Output	
Environmental Characteristics	
Operating Temperature Range Storage Temperature Range Humidity. MIL- Vibration Contact Bounce Shock Contact Bounce Rotational Life IP Rating	40 °C to +85 °C (-40 °F to +185 °F) -STD-202, Method 103B, Condition B
Mechanical Characteristics	
Mechanical Angle Running Torque (Detented) Undetented Torque Mounting Torque Shaft Side Load (Static) Weight Terminals. Soldering Condition Manual Soldering Wave Soldering Wash processes Marking Hardware One lockwasher and one mounting nut are shipped with each encoder, ex	0.5 to 1.5 N-cm (0.75 to 2.25 oz-in.)0.17 to 1.0 N-cm (0.25 to 1.50 oz-in)
Quadrature Output Table — This table is intended to show available outputs as currently defined.	



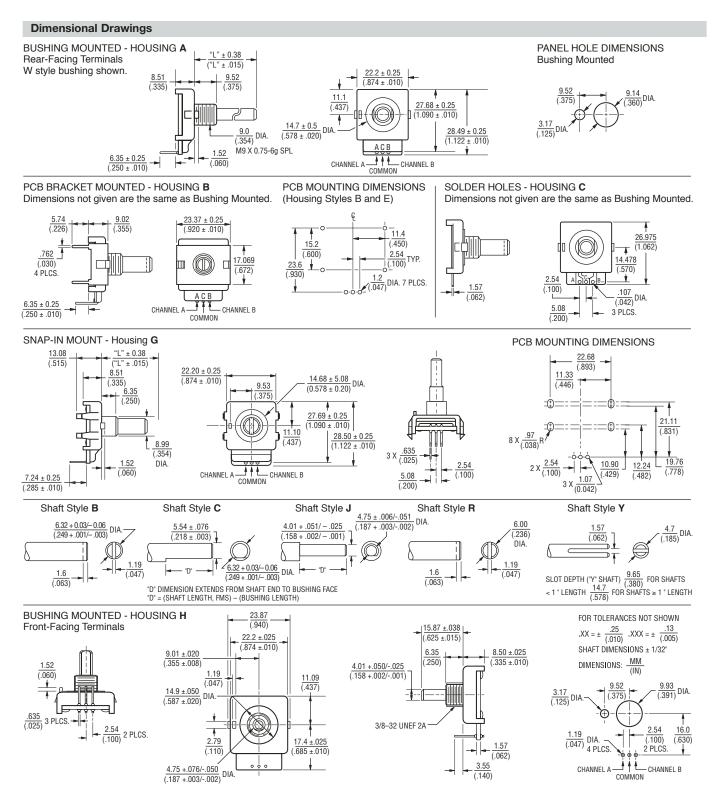


RECOMMENDED INCREMENTAL CONTROL DIAGRAM FOR USE WITH A DEBOUNCE CIRCUIT



ECW - Digital Contacting Encoder

BOURNS®

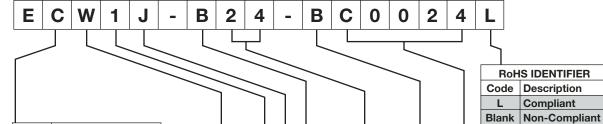


ECW - Digital Contacting Encoder

BOURNS®

How to Order





Code	Rotational Life		
С	200,000 Revolutions		

BUSHING CONFIGURATION					
Code	Description				
W	9 mm x 1/4 " Length. Threaded M9x0.75				
L	9 mm x 3/8 " Length. Threaded M9x0.75				
	(Use B shaft only.)				
Т	9 mm x 1/4 ". No Thread.				

SWITCHING CONFIGURATION (In Detent Position) Applies to performance codes B0012 and C0024

only, use code "0" for all other performance codes.						
Code Description						
0	0 Not Applicable					
1 Normally Open						

ANTI-ROTATION LUG POSITION						
Code	Code Description					
J	9:00 Position					
D	None					

SHAFT STYLE (See Outline Drawing for Details)					
Code Description					
В	Plain with Inserted Slot (1/4 " Dia.)				
С	C Single Flatted (1/4 " Dia.)				
R	Plain with Inserted Slot (6 mm Dia.)				
Υ	Split Shaft Version (.185 " Dia.)				
J	Flatted Shaft (3/16 " Dia.)				

The sample part number demonstrates the identification code for Bourns contacting encoders.

Boldface features are Bourns standard options. All others are available with higher minimum order quantities.

Ш							
PERFORMANCE CODE							
С	ode	Detents	Cycles/Rev.				
E	0006	0	6				
E	0009	0	9				
E	0012	0	12				
E	0024	0	24				
E	0036	0	36				
В	0012	12	12				
C	0006	2/1	6				

24

24

36

C0024

D0009

Compliant

HOUSING TERMINAL CONFIGURATION (X indicates "Equipped With"									
Code									
Features	Α	В	С	D	Е	F	G*	Η	K
Terminal Cover	Х	Х			Х		Х		
Rear-Facing Terminals	X	X			Χ		Х		
Solder Holes			Х	Х		Х			
PCB Bracket		Х		Х	Х	Х			
Hardware Included	X		Х		Х	Х		Χ	
Snap-In Mount							Х		
Forward-Facing Terminals								Χ	Х
*Rushing code Tonly									

*Bushing code T only.

SHAFT LENGTH (FMS)						
		Available				
Code	Description	Shaft Styles				
16	1/2 " Length	В				
20	5/8 " (15.9 mm) Length	J				
24	3/4 " (19 mm) Length	B, C, J, Y				
28	7/8 " (22.2 mm) Length	B, C, J, Y				
32	1 " (25.4 mm) Length	B, C, J, Y				
36	1-1/8 " (28.6 mm) Length	B, C, J, Y				
	Metric					
19	19 mm Length R					
22	22 mm Length	R				
24	24 mm Length R					