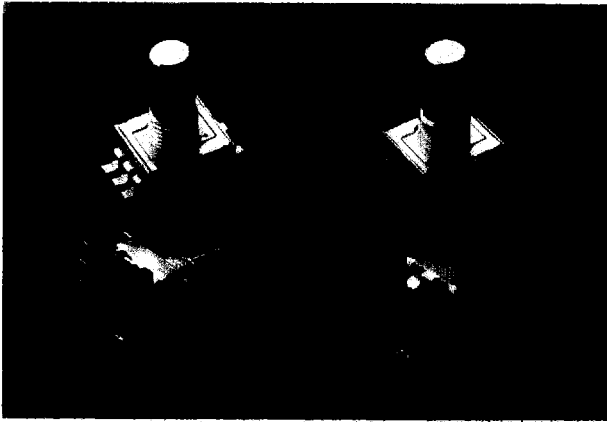


## FEATURES

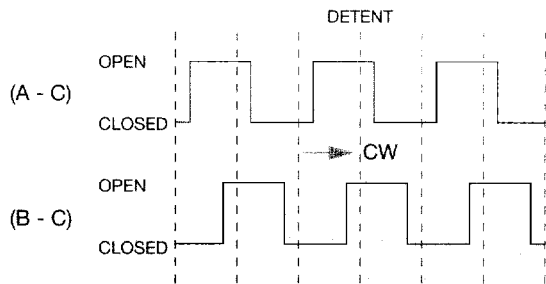
- 2 bit counting code (see graph code)
- Sliding contact type
- Push-on switch (optional)
- Mechanical detents
- High reliability
- High precision
- Low cost
- Long life
- Compact design
- Snap-in or bush type fastening
- Threaded or plain bush options
- Available in SMD and vertical mount



## MAIN SPECIFICATIONS

Operating temperature: -40°C to 85°C  
 Max. Current per contact: 5mA DC  
 Life (endless rotation): 25,000 cycles  
 Operating torque: 0.3 to 2 Ncm  
 Push-on switch: 0.5 or 1.5mm. axial travel  
 Contact resistance (max): 0.5 ohms  
 Pulses per rotation: 9 or 15 as standard  
 N° of detents (optional): 18 or 30 as standard

## GRAPH CODE



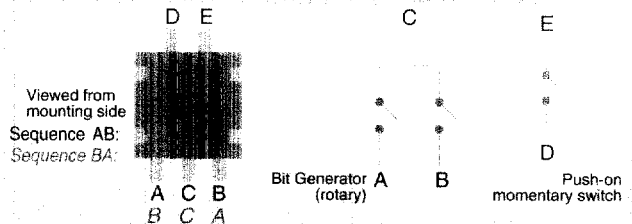
Sequence: AB

## TYPICAL APPLICATIONS

In all kinds of applications which require a single or multi-function rotary control interfaced with a digital electronic circuit:

- **Automotive:**  
 Car radio: volume & tuning controls.  
 Climate control: temperature control & airflow distribution.  
 Navigation systems: mode switching.
- **Consumer:**  
 Home appliances: washing machine timer & temperature programming controls  
 Hi-Fi, Compact disc, Mini disc tuning, volume, level and power controls
- **Multimedia:**  
 Monitor multi-function mode select control (using push-on switch option)
- **Professional:**  
 Input/output adjustment for Digital Audio Mixers.

## TERMINAL DESIGN INNER CIRCUIT DIAGRAM



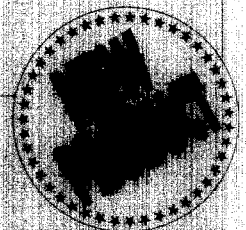
## HOW TO ORDER

CI-11	S	15	N	05	AB	T	
Series	Mounting Method	N° Pulses	Detents	Code	Push on Switch	Sequence	Bushing
	V = Vertical H = Horizontal S = SMD	15 9 (See note 1)	L = Low torque H = High torque N = No detent	05 15 00	0.5 mm. travel 1.5 mm. travel No switch	AB BA	T = Threaded N = Not threaded

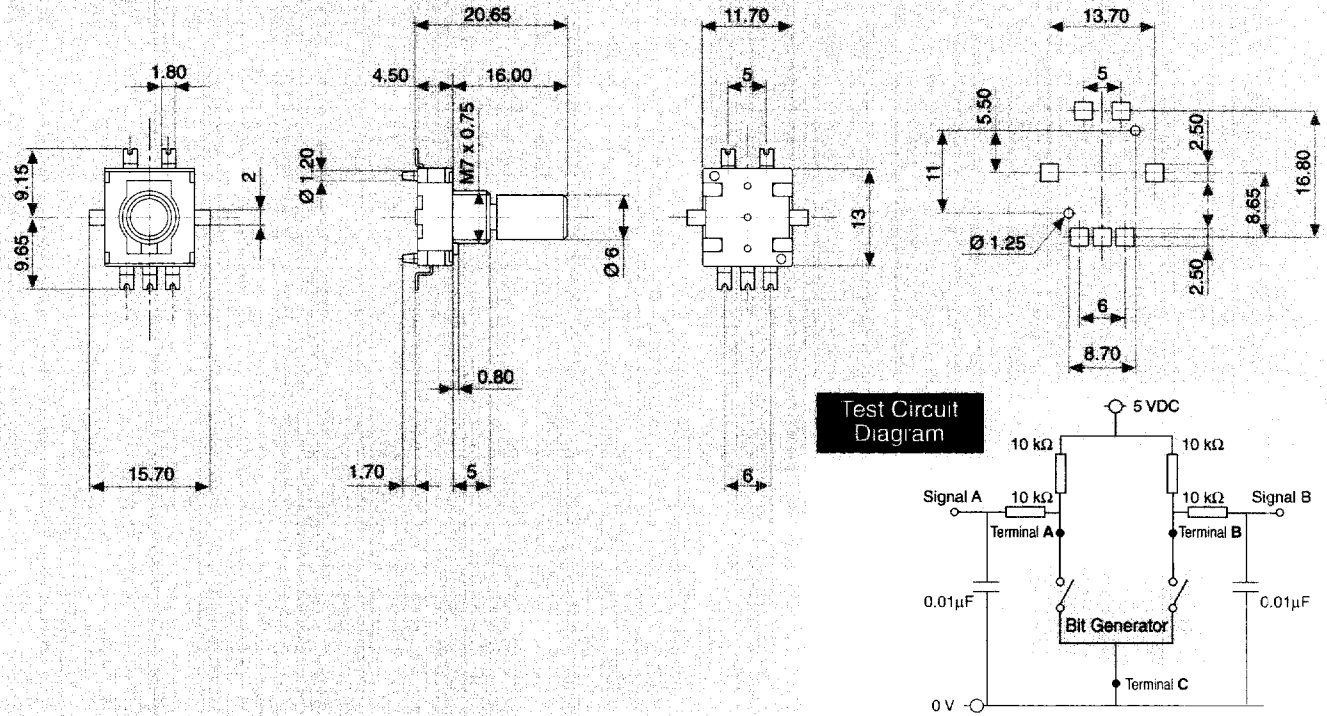
## NOTES:

**SHAFT:** Material: steel (standard) or Die Cast.  
 See drawing for standard shaft dimensions. Others upon request.

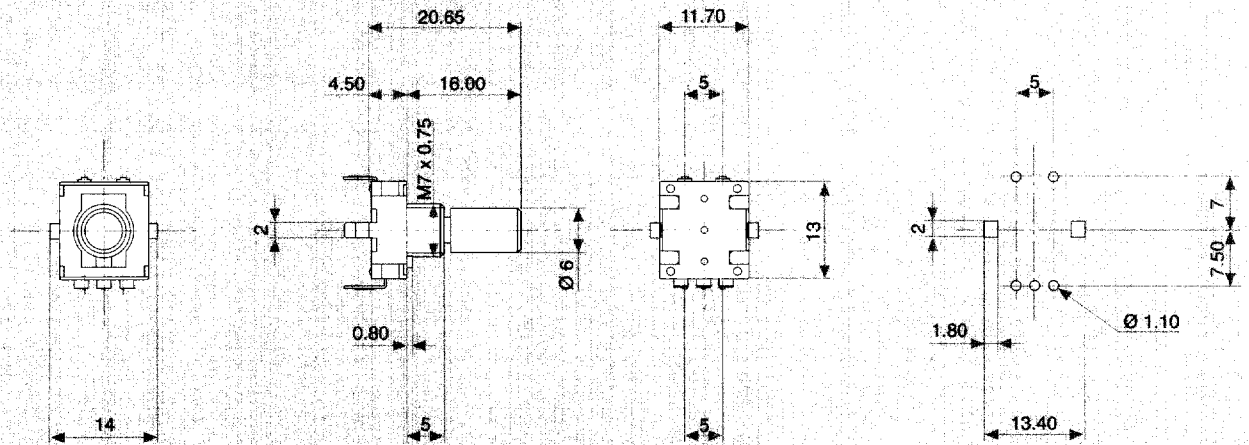
(1) N° pulses is always half the number of detents.



CI11 S



CI11 V (Threaded)



CI11 V (Not threaded)

