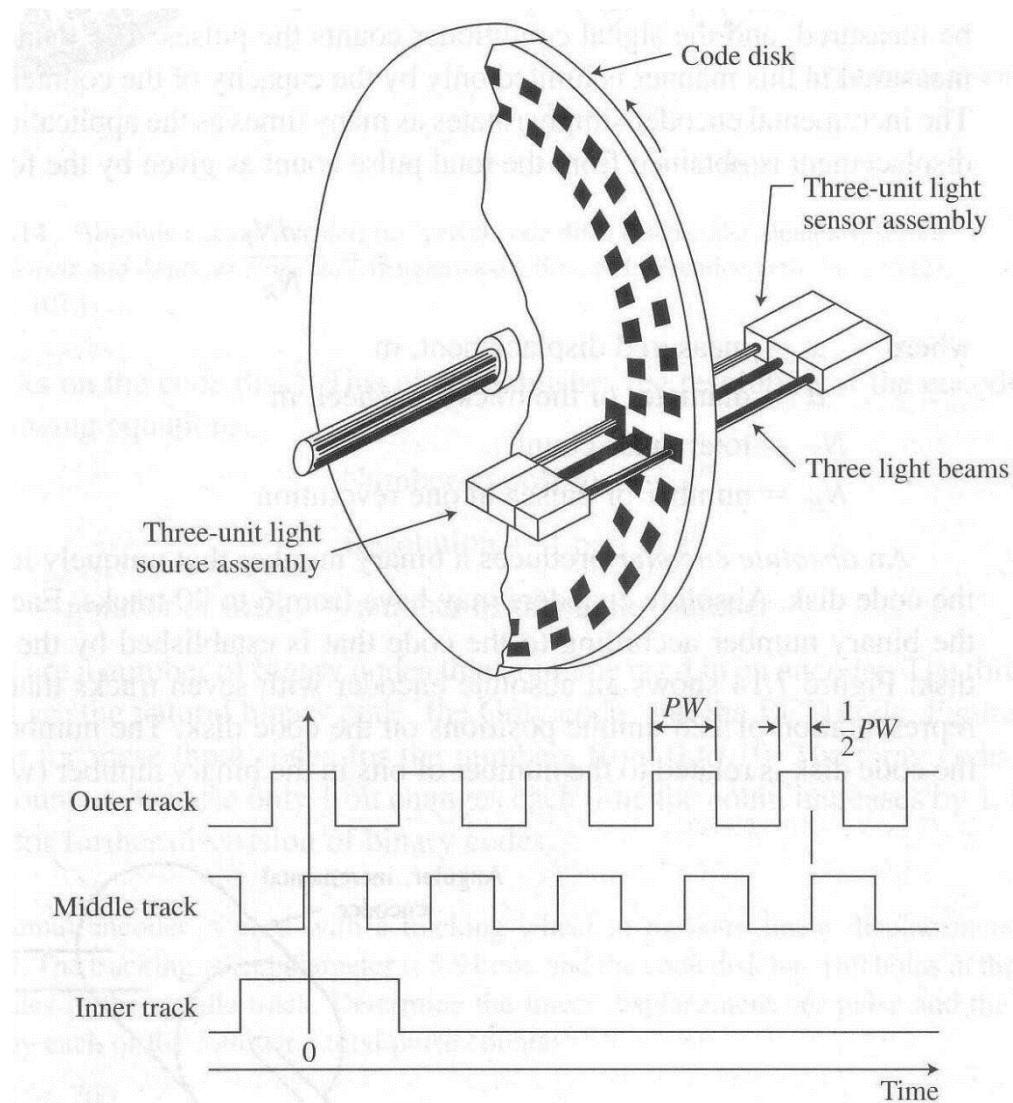


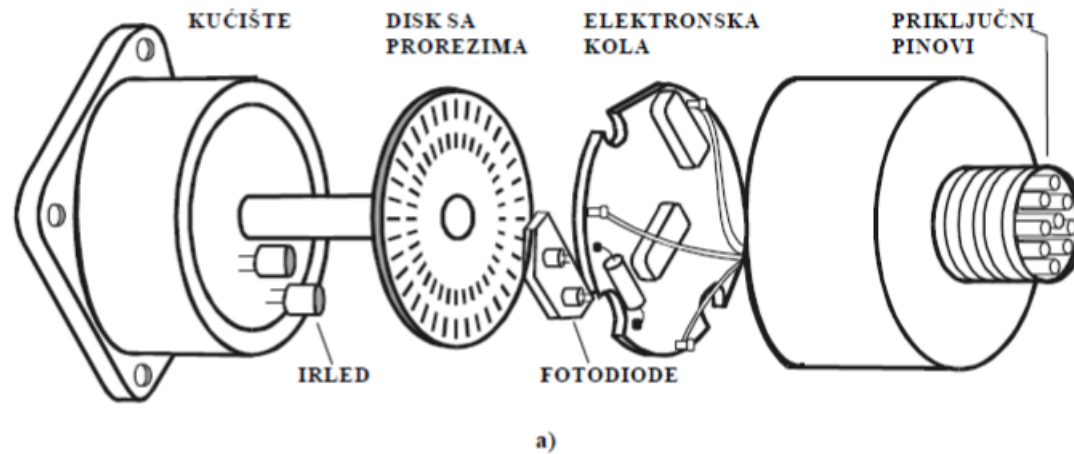


# Senzori pozicije i brzine

# Inkrementalni optički enkoder

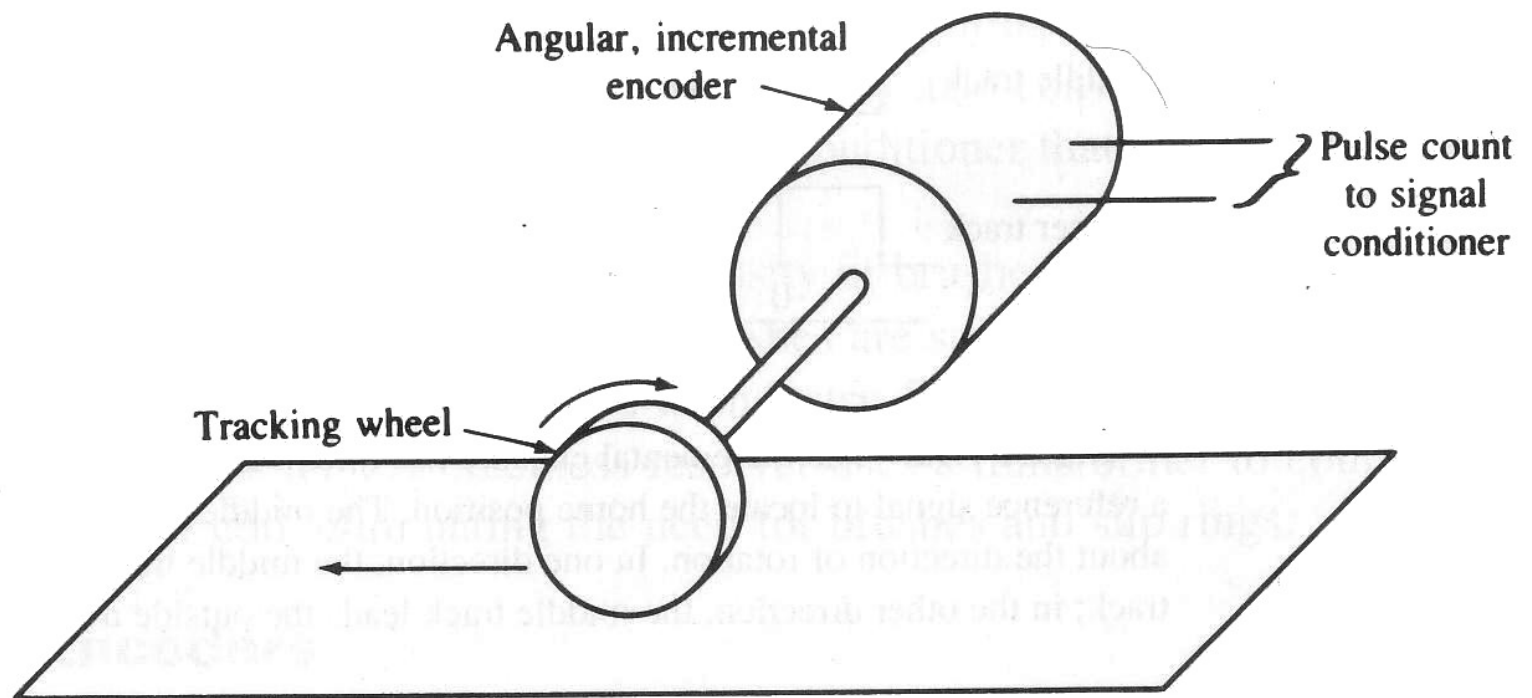


# Konstrukcija optičkog inkrementalnog enkodera

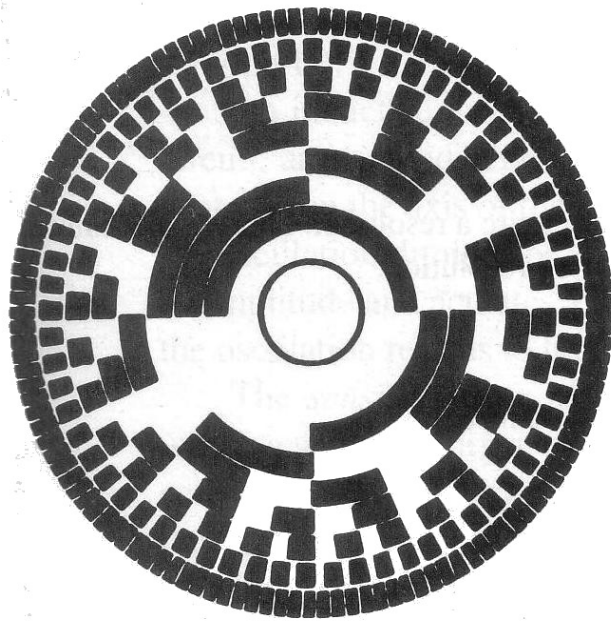


Konstrukcija optičkog inkrementalnog enkodera: a) presek enkodera, b) izvedba sa vanjskom osovinom, c) izvedba sa šupljom osovinom

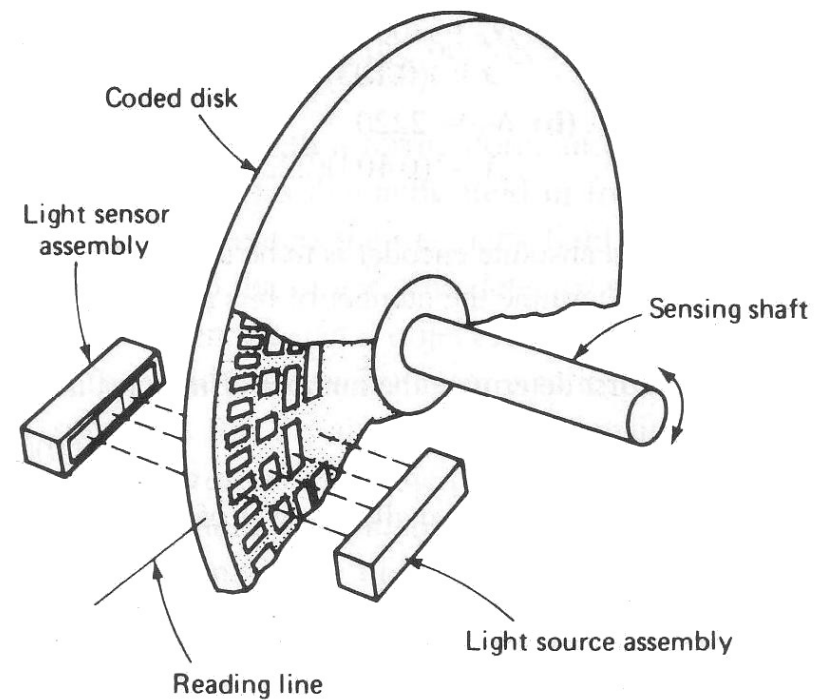
# Upotreba za linearno kretanje



# Apsolutni optički enkoder



(a)



(b)



# Kodiranje podatka apsolutnog enkodera

Arabic number	(Natural) Binary		Gray (Binary)		Binary Coded Decimal (BCD)			
	Digital number	Code pattern	Digital number	Code pattern	Digital number		Code pattern	
	8 4 2 1	$2^3 \ 2^2 \ 2^1 \ 2^0$		$G_3 \ G_2 \ G_1 \ G_0$	Tens	Units	Tens	Units
	8 4 2 1	$2^3 \ 2^2 \ 2^1 \ 2^0$		$G_3 \ G_2 \ G_1 \ G_0$	8 4 2 1	8 4 2 1	$2^0$	$2^3 \ 2^2 \ 2^1 \ 2^0$
0	0000		0000		0000	0000		
1	0001		0001			0001		
2	0010		0011			0010		
3	0011		0010			0011		
4	0100		0110			0100		
5	0101		0111			0101		
6	0110		0101			0110		
7	0111		0100			0111		
8	1000		1100			1000		
9	1001		1101		0000	1001		
10	1010		1111		0001	0000		

# Primer





# Osnovne karakteristike

- **Small and Compact**
- **Multi -Turn**
- **Profibus-DP**
- **Programmable**
- **Standard Interchangeable Mounting Flanges**



# Karakteristike

Encoder Capacity .....	max. 25 Bit
* Steps / Revolution .....	8192 Steps / Rev
* Number of Revolutions .....	4096 Revolution
Supply Voltage .....	11-27 VDC
Power Dissipation (No Load) .....	< 4 Watt
Programmable via RS485 .....	PC IBM Compatible EPROG Software
* Output Codes (programmable) .....	Binary, Gray, BCD, Shifted Gray, Excess3, Shifted Excess3
Data Protocol .....	Profibus-DP (Din E 19 245 T.3) Same as SINEC-L2-DP
Standard Baud Rate .....	9.6 kbaud to 12 Mbaud
Option .....	3 to 12 Mbaud
* Station Address .....	3 - 99
Inputs	
* Forward / Reverse .....	Change direction of count
* Preset 1 .....	Adjust absolute position to a given set value (i.e. zero set)
* Preset 2 .....	Adjust absolute position to a given set value (i.e. zero set)
Logic Levels .....	"0" < +2 VDC, "1" > 8 VDC, max. 30 VDC
Pin Configuration .....	Upon Request
* Programmable Parameters	

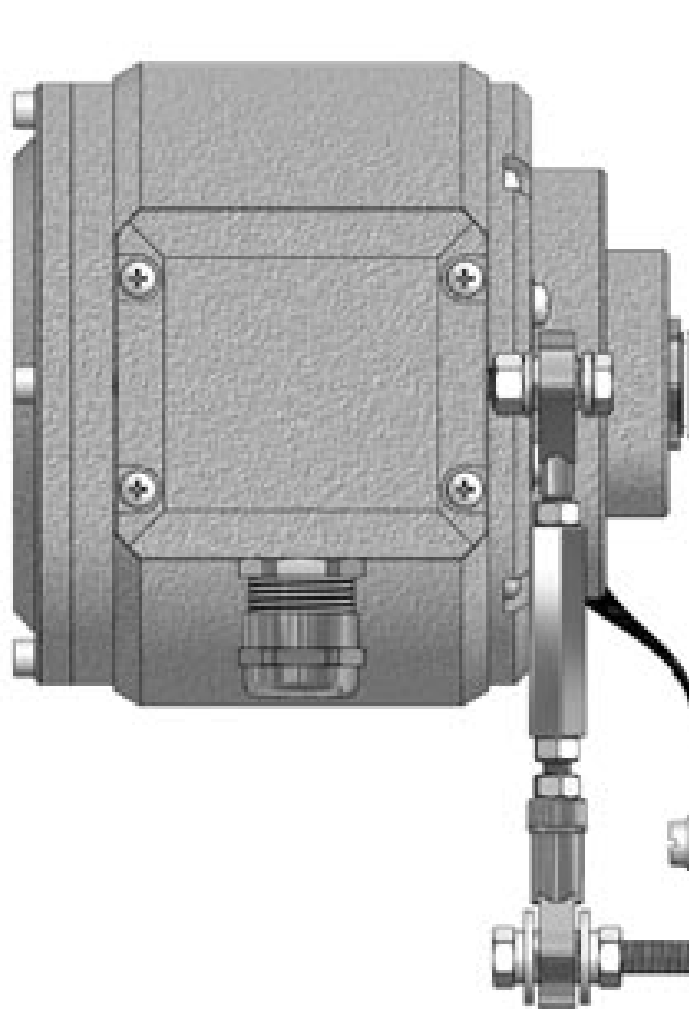
# Primer



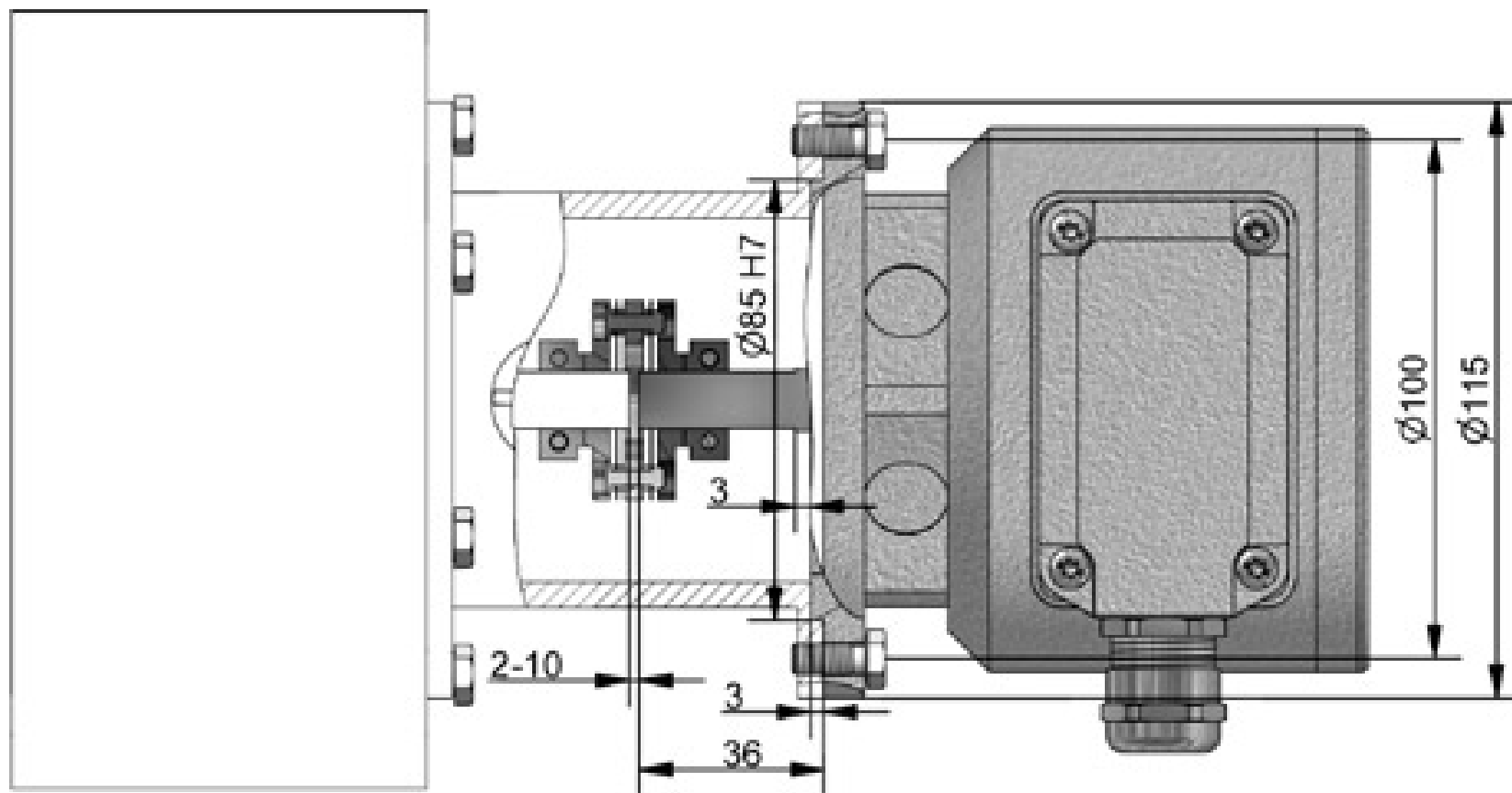
# Primer



# Montaža

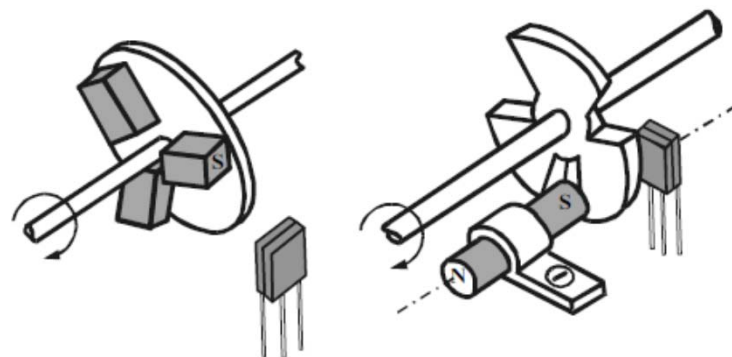
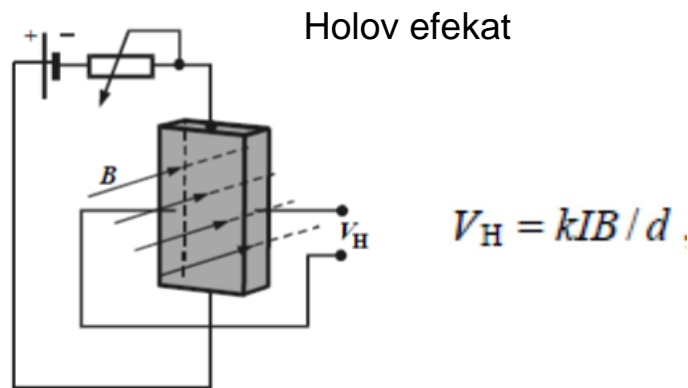


# Montaža

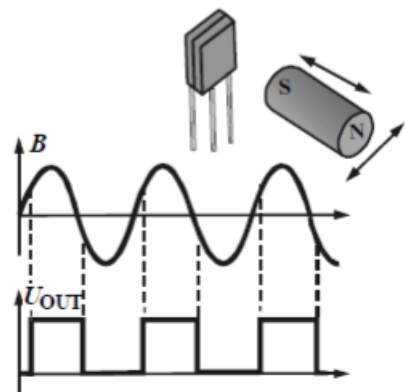




# Senzor na bazi Holovog efekta



Izvedbe senzora na bazi Holovog efekta



Zavisnost izlaznog signala od promene fluksa  
kod senzora na bazi Holovog efekta