

# IH 740

INCREMENTAL HOLLOW SHAFT ENCODER

Heavy Duty Construction  
 Shaft Mounted  
 Range of shaft bores (6 – 18 mm)  
 25000 PPR Maximum  
 4.75 to 30 Volts, RS 422 Compatible  
 300 kHz Maximum Frequency



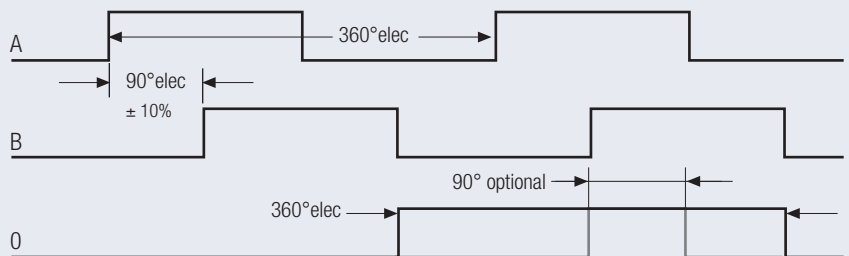
## ELECTRICAL SPECIFICATIONS

Supply Voltage	4.75-30 V DC
Current Consumption	40 mA (max)
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	300 kHz (max)
Logic Level (high)	Vcc - 0.7 Volt
Logic Level (low)	0.25 Volt (max)
Short Circuit Protection	100 %

## MECHANICAL SPECIFICATIONS

Cover	Aluminium
Body	Aluminium
Shaft	Stainless Steel
Speed	6000 RPM (max)
Torque	> 0.04 Nm
Loading	Axial 40 N, Radial 30 N
Protection	IP 65
Temperature	-20°...+70° C (-4°...+158° F) +100° C (+212° F) Optional
Weight	0.84 lb (380 g)

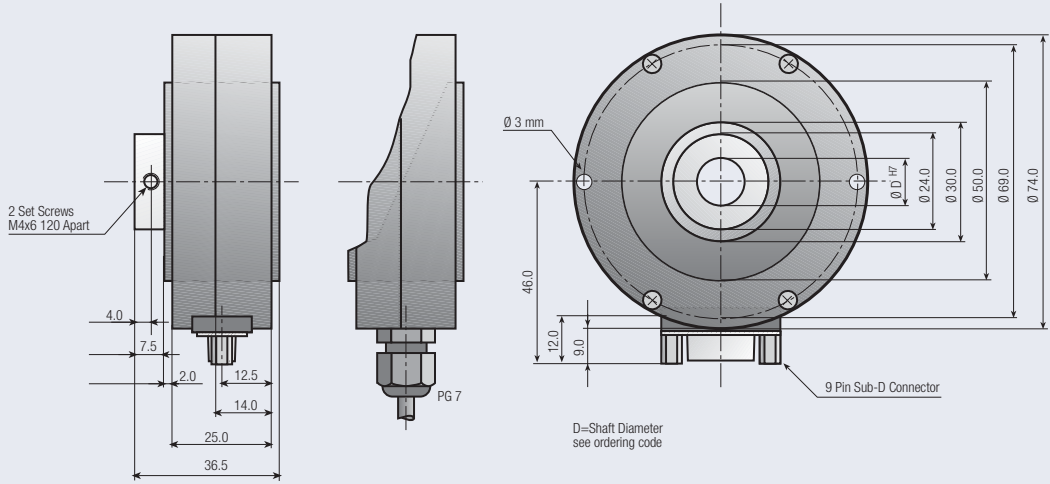
## OUTPUT SIGNALS



A Leads B in the CW Direction (facing shaft)  
 Complimentary channel also available

Optional Gated Marker Pulse  
 Gated with A+B Shown

Drawing available as:  
dxf, iges, step, sld file



ORDERING CODE

IH 740 - [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] - [ ] [ ] [ ] [ ] [ ]  
 a b c d e f g h Pulses Per Revolution

- a **Group Function**  
IH=Incremental Hollow Shaft
- b **Basic Series Number**  
740
- c **Shaft Size D**  
06=6 mm 10=10 mm 12=12mm  
14=14mm 16=16 mm 18=18 mm  
AA=1/4" AB=3/8" AC=1/2" AE=5/8"
- d **Mechanical Options**  
0=None

- e **Connector Type**  
0=2 mtr. (6ft.) Cable  
6=9 Pin Sub D 7=12 Pin
- f **Connector Location**  
R=Radial
- g **Output Signals**  
3=A+B+0  
6=A+B+0+Compliments
- h **Output Circuit Type**  
3=Push Pull 4.75 to 30 VDC

Note: Special functions and designs will be designated by a 4 digit code at the end of the part number. Consult factory for further details

CONNECTIONS

Function	Cable Colour Code	12 Pin Connector
0 Volt	white	1
+ Volt	brown	2
A	green	3
B	yellow	4
0	grey	5
$\bar{A}$	pink	6
$\bar{B}$	blue	7
$\bar{0}$	red	8