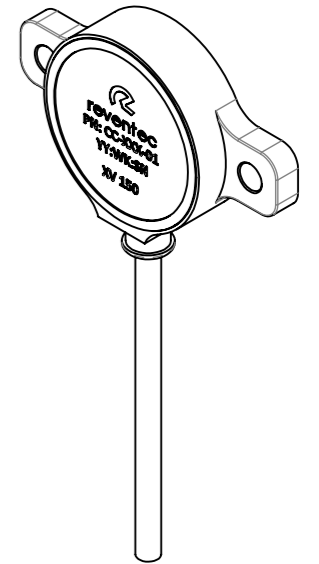


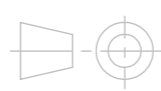
12V SINGLE CHANNEL  
0-5V OUTPUT



ISOMETRIC VIEW  
SCALE 1:1

Configuration:	Rotary
Sensing Range:	0-359° (configurable see Note 1)
Air Gap:	<3mm (Refer to Set-Up Drawing CC-091-01)
Supply Voltage:	12VDC (+6VDC - +31VDC)
Resolution:	12 bit
Update Rate:	5kHz
Output:	Configurable 0.25VDC – 4.5VDC (Configurable see Note 1)
Supply Current:	nom 25mA @ 12VDC
Reverse Polarity:	Connector optional / cable length 0.5m
Sensitivity:	Min. 11mV/Degree
Termination:	Connector optional / cable length 0.5m
Wiring:	0.5m, 5 core 24 AWG Habia, sleeved in FEP.
Sensor Dimensions:	Approx. 48mm x 35mm x 9mm (see drawing view)
Housing Material:	Aluminium 6082-T6
Finish:	Anodised Black
Mounting:	2 x M4 (see drawing)
Linearity:	+/- 0.4% full scale output
Operating Temperature:	-40 °C to 150 °C
Storage Temperature:	-40 °C to 125 °C
Vibration:	10G from 10Hz to 2,000Hz
Shock:	50 G half sine wave with 11 ms duration
Sealing:	IP67
Part Number:	CC-112-01
Target magnet:	∅10x5mm (Part Number 05-009-02) Other magnet sizes are available on request. Refer to Set-Up Drawing CC-091-01 for installation guide.
Note 1	Customers can recalibrate the sensing range between 0-359° and the output to a specific range (min 0.25VDC / max 4.5VDC) if required. To facilitate this there is a USB comms box (Pt. No. 07-003-01) and a GUI (free) available (Refer to Set Up Drawing CC-091-01). Cable lengths greater than 0.5m available on request.

WIRING DEFINITION	
PIN OUT / WIRE COLOUR	DESIGNATION
RED	SUPPLY (6VDC - 31VDC)
BLACK	GnD
YELLOW	ANALOGUE SIGNAL OUT (0.25VDC to 4.5VDC)
WHITE	Tx COMMS (TRANSMIT)
GREEN	Rx COMMS (RECEIVE)

GENERAL TOLERANCES ALL DIMENSIONS IN mm		FINISH:		DEBUR & BREAK ALL SHARP EDGES	
ISO 2768-FH TOLERANCING ISO 8015		Surface Finish 0.8/ UNLESS OTHERWISE STATED			
DRAWN	NAME	SIGNATURE	DATE	 THIRD ANGLE	
CHK'D	NJM		21/06/2016		
APP'VD					
MFG					
Q.A					
MATERIAL: AL 6082 T6		WEIGHT:		TITLE: Q360 SINGLE CHANNEL 12V 150 °C	
DWG NO. CC-112-01		SCALE: 1:1		SHEET 1 OF 1	
A3					

