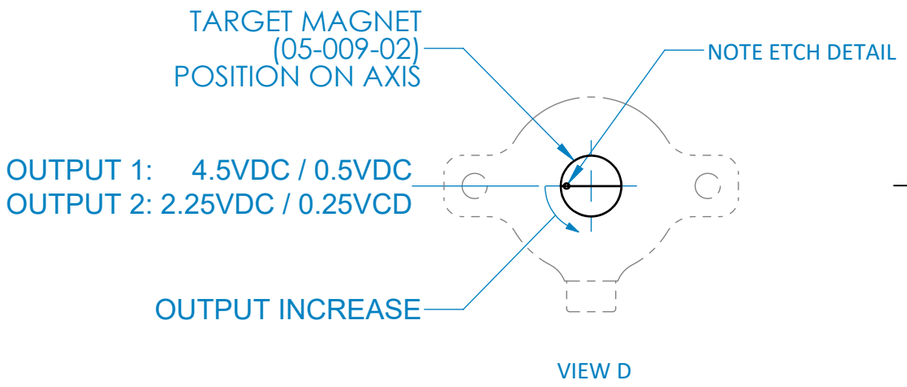
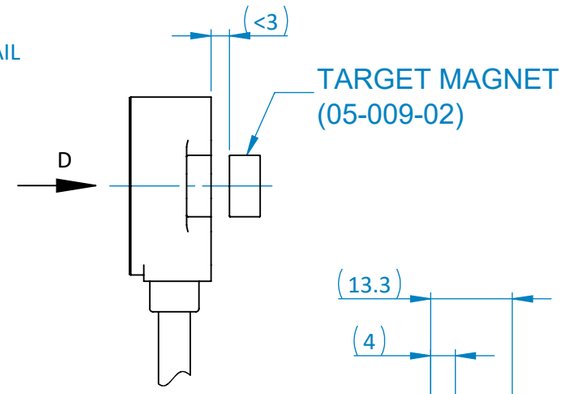
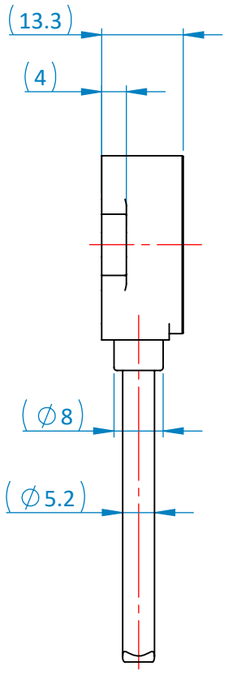
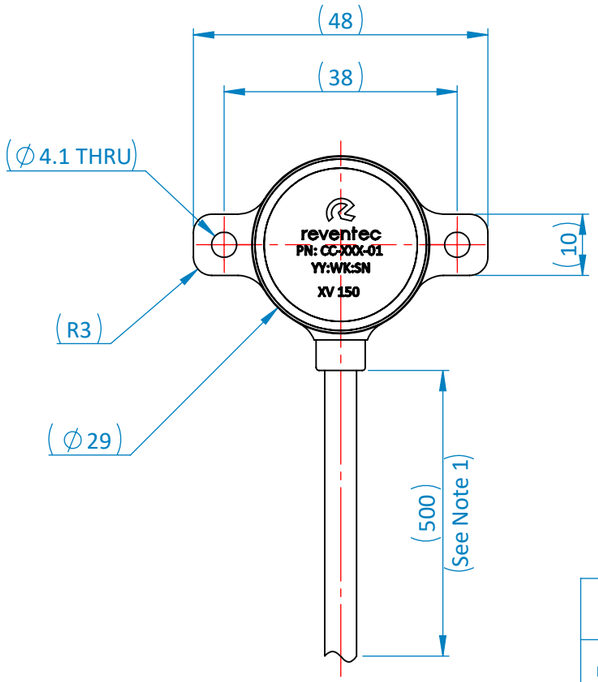
12V DUAL REDUNDANT 0-5V OUTPUT

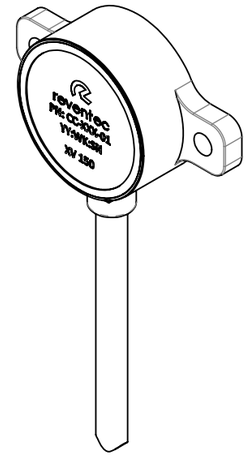


VIEW D









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 1:	0.5VDC – 4.5VDC analogue (Configurable see Note 1)
Output 2:	0.25VDC – 2.25VDC analogue (Configurable see Note 1)
Supply Current:	nom 25mA per channel @ 12VDC
Reverse Polarity:	Can be connected in reverse for short period without damage.
Sensitivity:	Min. 11mV/Degree
Termination:	Connector optional / cable length 0.5m
Wiring:	0.5m, 9 core 24 AWG RW-200E, sleeved in FEP.
Sensor Dimensions:	Approx. 48mm x 35mm x 13.5mm (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-212-01
Target magnet:	Ø10x5mm (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.

THIS PART SUPERCEDES CC-040-01

WIRING DEFINITION	
PIN OUT / WIRE COLOUR	DESIGNATION
RED	SUPPLY 1 (6VDC - 31VDC)
BLACK	GnD 1
YELLOW	ANALOGUE SIGNAL 1 OUT
ORANGE	ANALOGUE SIGNAL 2 OUT
WHITE	Tx COMMS 1 (TRANSMIT)
GREEN	Rx COMMS 1 (RECEIVE)
BLUE	SUPPLY 2 (6VDC - 31VDC)
GREY	Tx COMMS 2 (TRANSMIT)
VIOLET	Rx COMMS 2 (RECEIVE)

GENERAL TOLERANCES
ALL DIMENSIONS IN mm
ISO 2768-fH
TOLERANCING ISO 8015
Surface Finish 0.8
UNLESS OTHERWISE STATED

FINISH:

DEBUR & BREAK ALL SHARP EDGES

ISSUE	DESCRIPTION	ISSUE DATE	APPROVAL
A	FIRST RELEASE	5/11/19	NJM

	NAME	SIGNATURE	DATE
DRAWN			
CHK'D			
APPV'D			
MFG			
Q.A			

THIRD ANGLE

TITLE: Q360 DUAL CHANNEL 12V 150°C

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Website: www.reventec.com

MATERIAL: AL 6082 T6

WEIGHT:

DWG NO. CC-212-01

A3

SCALE: 1:1

SHEET 1 OF 1