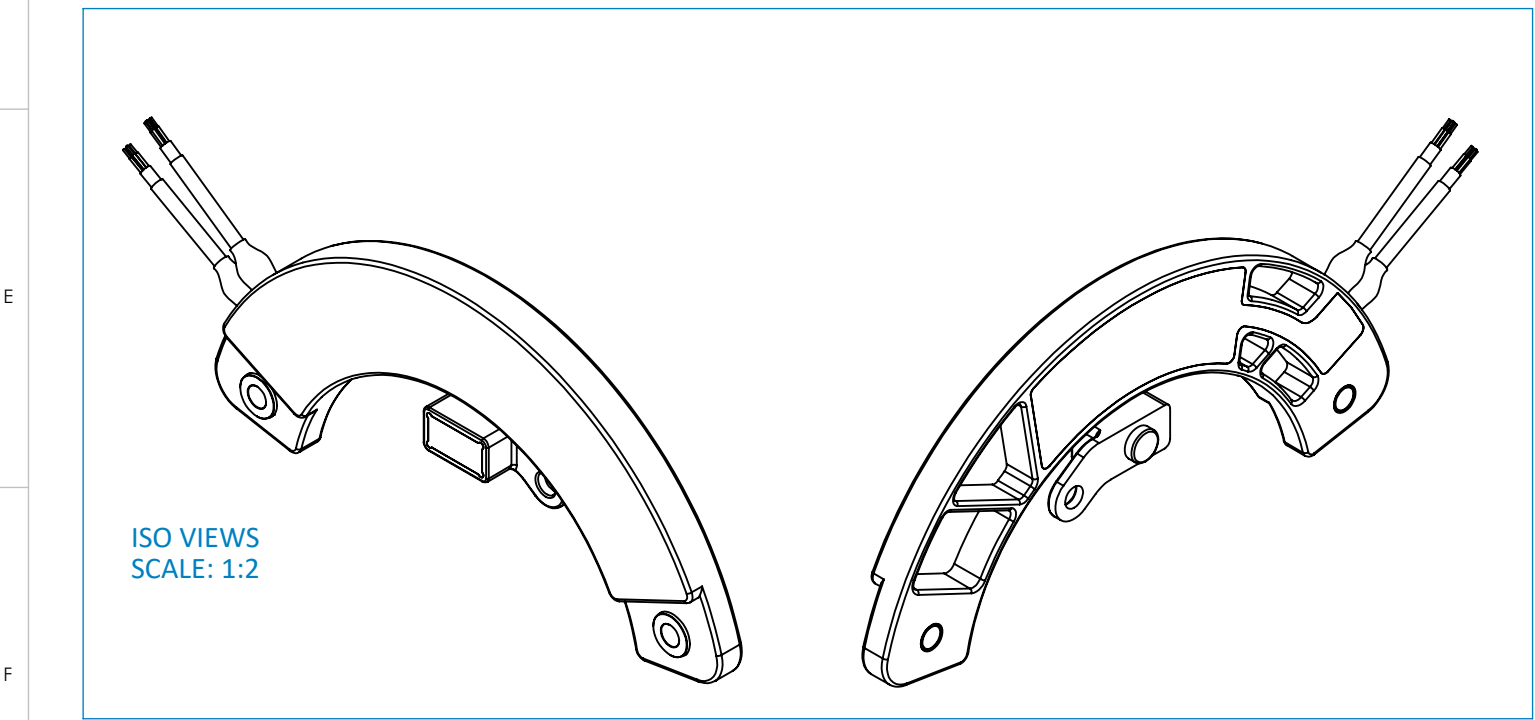
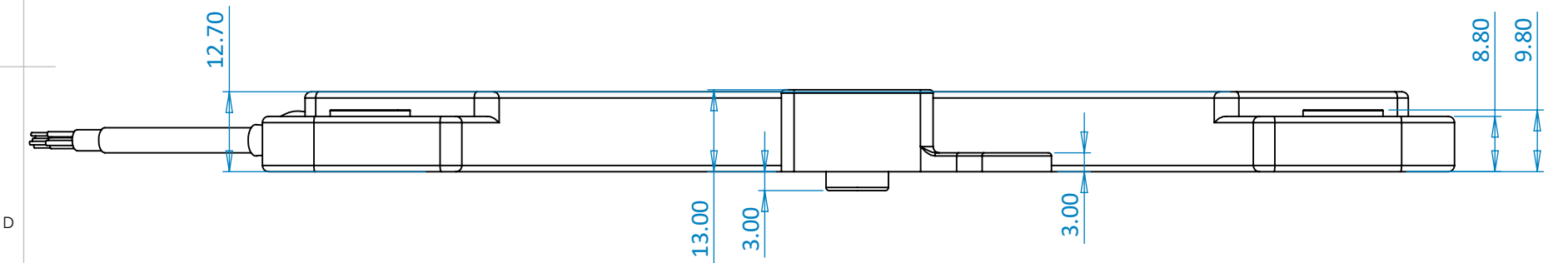
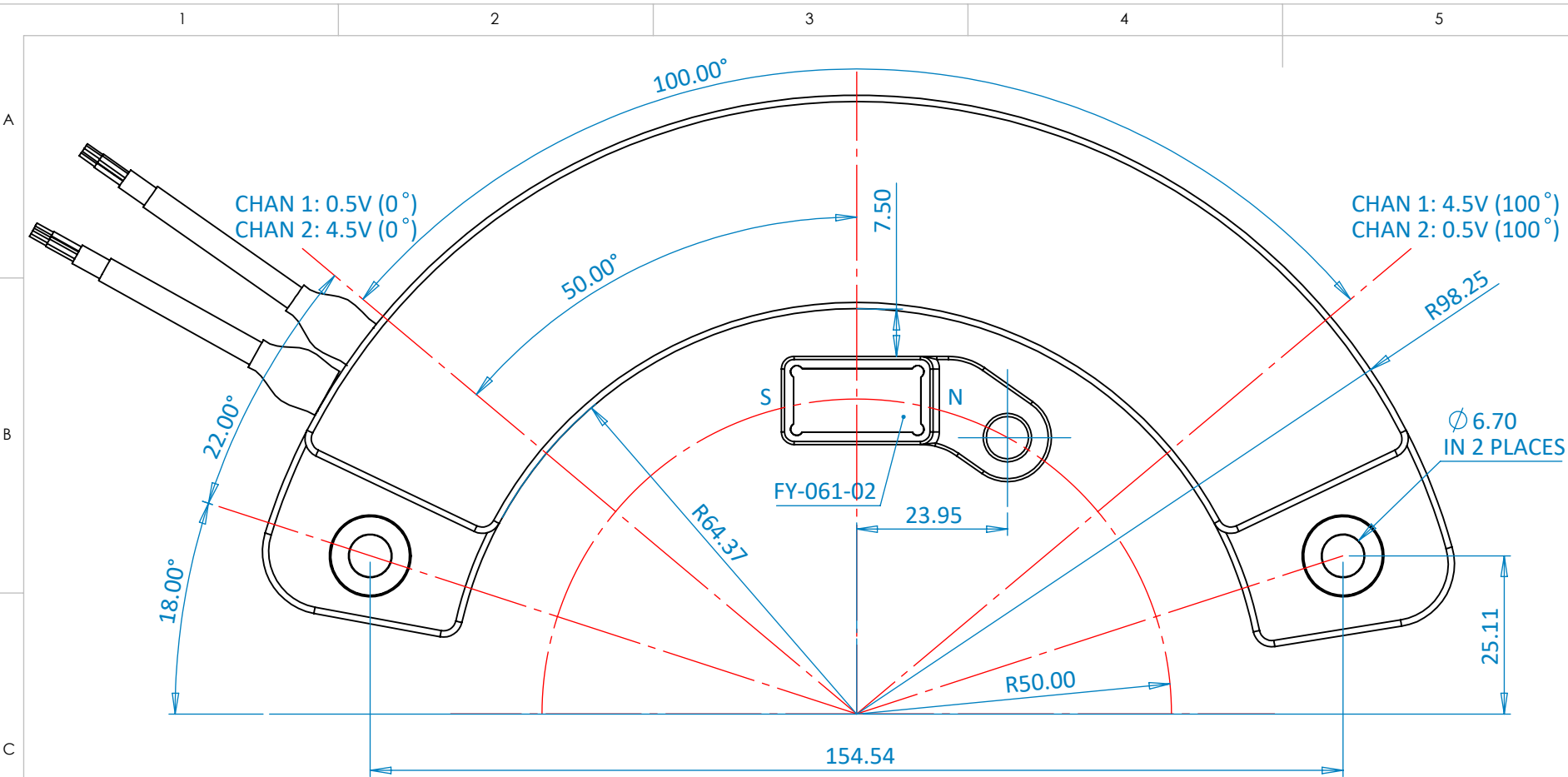




Configuration:	Arc
Calibrated sensing Range:	+/-50 degrees
Air Gap:	~7.5mm (see drawing)
Supply Voltage:	+6-31VDC
Resolution:	12 bit
Update Rate:	5kHz
Output:	Channel 1: Configurable analogue output. Factory set to 0.50VDC @0° – 4.50VDC @100° Channel 2: Configurable analogue output. Factory set to 4.50VDC @0° – 0.50VDC @100°
Supply Current:	nom 20mA @ +12VDC
Reverse Polarity:	protected
Sensitivity:	Min. 40mV/degree
Termination:	Flying lead
Wiring:	Independant harnesses for each channel 1m, 5 core screened 26AWG sleeved in RW-200E
Sensor Dimensions:	Approx. 190mm x 98mm x 13mm (see drawing view)
Housing Material:	AL 6082T6 (hard anodised)
Mounting:	2 x M6 or 1/4" screws
Linearity:	+/- 0.4% full scale output
Operating Temperature:	-40 °C to 125 °C
Storage Temperature:	-20 °C to 85 °C
Vibration:	10G from 10Hz to 2,000Hz
Shock:	50 G half sine wave with 11 ms duration
Sealing:	IP67
Part Number:	KU-020-01
Target magnet assembly:	FY-061-02 (10FF INCLUDED PER ASSEMBLY)

WIRE DESIGNATION		
	CHANNEL 1	CHANNEL 2
RED	SUPPLY (CHANNEL 1)	SUPPLY (CHANNEL 2)
BLACK	GROUND (CHANNEL 1)	GROUND (CHANNEL 2)
YELLOW	0.5V - 4.5V SIGNAL (CHANNEL 1)	4.5V - 0.5V SIGNAL (CHANNEL 2)
WHITE	COMMS Tx (TRANSMIT CHANNEL 1)	COMMS Tx (TRANSMIT CHANNEL 2)
GREEN	COMMS Rx (RECEIVE CHANNEL 1)	COMMS Rx (RECEIVE CHANNEL 2)

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ±0.4 ANGULAR: ±0.4				FINISH: HARD ANODISE	DEBUR AND BREAK SHARP EDGES	REVISION 01	ISSUE FIRST RELEASE	DATE 27.08.26	APPROVED NJM
DRAWN	NAME FS	SIGNATURE	DATE 27.08.26	 THIRD ANGLE		TITLE: DUAL CHANNEL 100 ° TMR ARC SENSOR ASSEMBLY			
CHK'D									
APPV'D									
MFG									
Q.A				MATERIAL: AL 6082 T6		DWG NO. KU-020-01			A3
 © DESIGN COPYRIGHT RESERVED Reventec Ltd Unit 14, Osprey Business Centre Salisbury Wiltshire SP5 2JH TEL: +44(0)1753 510921 Email: info@reventec.com Website: www.reventec.com				WEIGHT:		SCALE: 1:1		SHEET 1 OF 1	