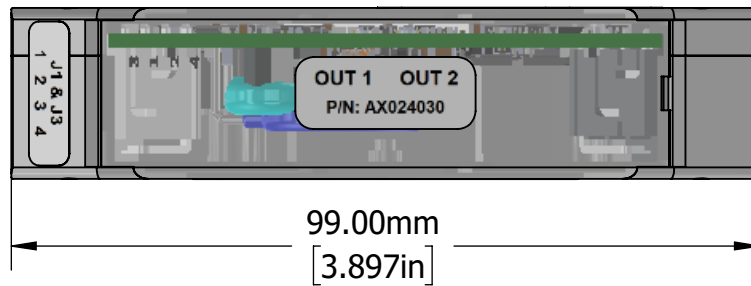
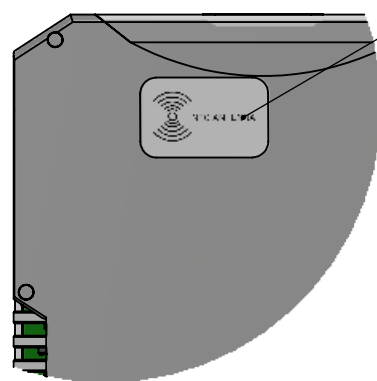


4

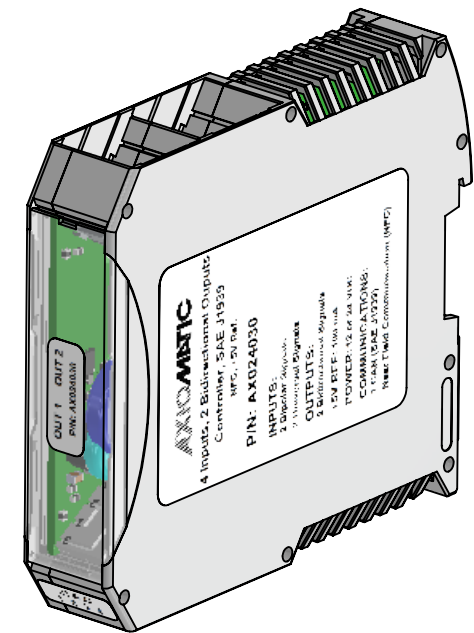
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2

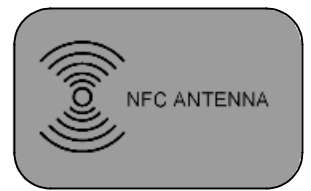
1



**This way up  
on the DIN rail**



REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
P1-D1	INITIAL RELEASED	2025-09-25	GDV



**LBM-AX024010-03-R1**

**AXIOMATIC**  
4 Inputs, 2 Bidirectional Outputs Controller, SAE J1939  
NFC, +5V Ref.  
P/N: AX024030

**INPUTS:**  
2 Bipolar Signals  
2 Universal Signals

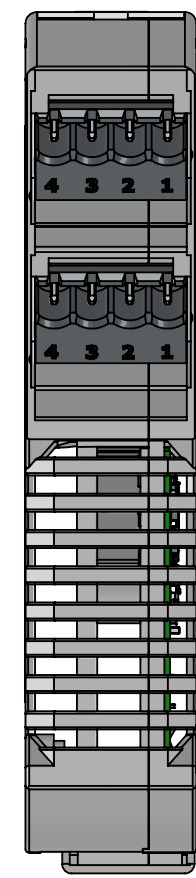
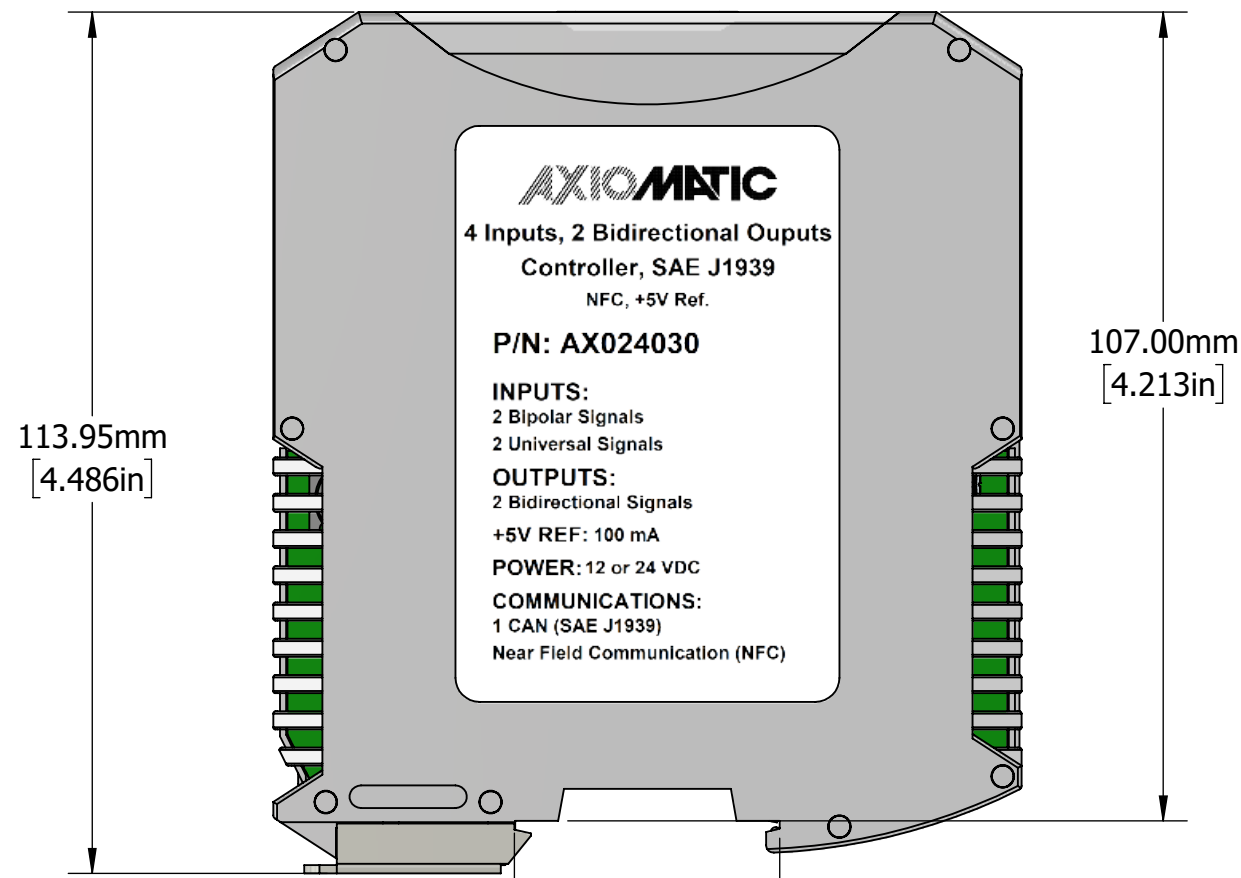
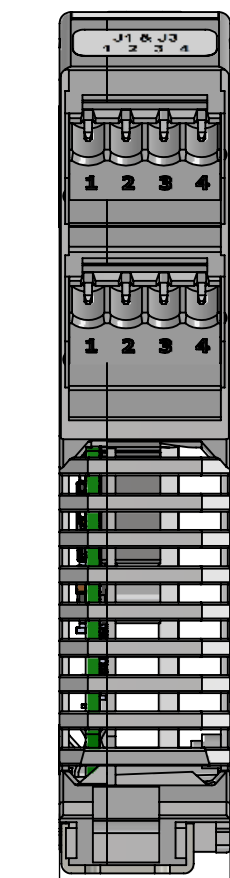
**OUTPUTS:**  
2 Bidirectional Signals  
+5V REF: 100 mA

**POWER:** 12 or 24 VDC

**COMMUNICATIONS:**  
1 CAN (SAE J1939)  
Near Field Communication (NFC)

B

B



**J2 & J4**  
4 3 2 1

**LBM-AX024030-02-R1**

**J1 & J3**  
1 2 3 4

**LBM-AX024030-03-R1**

**OUT 1 OUT 2**  
P/N: AX024030

**LBM-AX024030-04-R1**

**LBM-AX024030-01-R1**

CONNECTOR PINOUT				
PIN#	J1	J2	J3	J4
<b>PIN 1</b>	BATT +	AIN_1	OUT1+	+5VREF
<b>PIN 2</b>	BATT -	AIN_2	OUT1-	GND
<b>PIN 3</b>	CAN_H	AIN_3	OUT2+	GND
<b>PIN 4</b>	CAN_L	AIN_4	OUT2-	GND

A

A

22.60mm  
[.890in]

35 mm  
[1.378 in]  
To suit a 35mm DIN rail

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY AND REMAINS THE EXCLUSIVE PROPERTY OF AXIOMATIC TECHNOLOGIES CORPORATION. THIS DRAWING MAY NOT BE USED, REPRODUCED IN WHOLE OR IN PART, NOR REVEALED TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF AXIOMATIC TECHNOLOGIES CORPORATION. BY ACCEPTANCE OF THIS DRAWING, THE BEARER AGREES TO THESE CONDITIONS.

**AXIOMATIC**  
Global Electronic Solutions  
AXIOMATIC TECHNOLOGIES CORPORATION  
1445 COURTNEY PARK DR E  
MISSISSAUGA, ON  
CANADA L5T2E3  
905-602-9270

DIMENSIONS ARE mm[IN]  UNLESS OTHERWISE SPECIFIED IN DRAWING TOLERANCE ON:  X.XXX [.XX] ± 0.008 [0.20] X.XX [X.X] ± 0.02 [0.51] X.X ± 0.4 [1.00] ANGLES ± 1.0° Others follow ISO 2768-2, tolerance class K	MATERIAL	N/A	DRAWN	JA	DATE	2025-09-25	TITLE: 4 INPUT, 2Bidirectional Outputs Controller, SAE J1939 NFC, +5V Ref.						
	FINISH	N/A	QA	CM	DATE	2025-11-10	DWG REV	D1	DWG NO	AX024030-MD	PART REV	R1	
	THIRD ANGLE PROJECTION	TOOL	SOLIDWORKS	APPROVED	GVD	DATE	2025-11-10	SCALE	1:1	PART NO	MG-24003-01	SHEET	SHEET 1 OF 1
	SIZE	<b>B</b>											

4

3

2

1