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Data Sheet

August 15, 2026

DIY ELECTRONICS

DIY Electronics Kit 108 Serial Isolated Input/Output Module

DIY Electronics Kit 108 Serial Isolated Input/Output Module This listing is a fixture, kit, or mechanical accessory in the DIY Electronics catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU. No invented electrical performance numbers Use with the parent instrument or chassis named in the title when applicable Documented as thin because OEM numeric tables are not public Catalog Title: DIY Electronics Kit 108 Serial Isolated Input/Output Module



MODEL	CALIBRATION
DIY Electronics 108	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
108	https://aumictechlabs.com/products/108-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DIY Electronics Kit 108 is a serial-controlled input/output module for industrial control and sensing applications. It combines 8 Form C relay outputs with 4 optically isolated inputs in a compact plastic enclosure. The module accepts commands via standard serial port (D9 connector) from an external controller - such as a PC or PLC - and maintains relay states independently after disconnection. Relay contacts handle up to 15A at 120VAC or 10A at 240VAC

for resistive loads, with 5A ratings for inductive circuits. The four opto-isolated inputs operate from 5VDC to 24VDC and provide 2500V peak galvanic isolation. All I/O connections use pluggable screw terminal blocks for straightforward field wiring. Serial communication supports cable runs up to 100ft, enabling remote operation in distributed control architectures. The unit requires a 9-12V DC power supply rated for 500mA minimum and measures 140(W) × 110(D) × 35(H)mm. Technical Specifications Relay Outputs: 8× Form C SPDT contacts Relay Contact Ratings (Resistive): 15A @ 24VDC; 15A @ 120VAC; 10A @ 240VAC Relay Contact Ratings (Inductive): 5A @ 24VDC; 5A @ 120VAC; 5A @ 240VAC Maximum Voltage: 240V AC / 110V DC Maximum Current: 15A per contact Maximum Power: 1800VA / 250W Minimum Load: 5VDC, 10mA Relay Life (Mechanical): 10,000,000 operations Relay Life (Electrical): 100,000 operations Operating Time: 10msec maximum Isolated Inputs: 4 channels, opto-isolated, polarized Input Voltage Range: 5-24VDC Isolation Voltage: 2500V peak / 1775V RMS (1 second) Power Supply: 9-12V DC, 500mA minimum Physical: 140(W) × 110(D) × 35(H)mm, plastic case Key Features Form C relay contacts for high-side or low-side switching 2500V galvanic isolation on input channels Pluggable screw terminals for inputs and outputs D9 serial interface with extended cable support (up to 100ft) State retention independent of controller connection Double-sided through-hole PCB construction Typical Applications Industrial equipment control and switching Remote monitoring and load management Sensor input acquisition with high voltage isolation Contact closure and external voltage sensing Distributed automation systems requiring serial interface Compatibility & Integration The module integrates with any external controller capable of serial communication at standard baud rates. It operates as a passive I/O device - no firmware reprogramming is required. The D9 connector and screw terminal blocks ensure compatibility with standard industrial cabling and field devices.

108 Characteristics / Specifications

PARAMETER	VALUE
Model	108
Brand	DIY Electronics
Catalog Title	DIY Electronics Kit 108 Serial Isolated Input/Output Module
Sku	108
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	108
Manufacturer Line	DIY Electronics
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

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PARAMETER	VALUE
Model	108
Brand	DIY Electronics
Catalog Title	DIY Electronics Kit 108 Serial Isolated Input/Output Module
Sku	108
Product Class	fixture, kit, or mechanical accessory
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	108
Manufacturer Line	DIY Electronics
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.