

G.M. International Intrinsically Safe Isolators Configuration Software

**PPC5092**

Getting the most out of your D5232Q Digital Input Isolator and D5072D-096 Thermocouple/mV Repeater is easier than ever with the SWC5090-SW Configuration Software — a free PC-based tool designed to simplify setup, monitoring, and troubleshooting for your safety-critical field devices.

For the D5232Q, the SWC5090-SW software lets you configure sensor type (Proximity or Dry Contact) for each of the four inputs, set custom output logic and fault behavior, and monitor real-time input/output status on screen — all while supporting the performance your high-risk application demands.

For the D5072D-096, the software gives you full control over input/output function (Linear, Custom, or Thermocouple), cold junction compensation settings, burnout fault detection, and channel tagging, so your temperature signal repeating is precisely tuned to your process.

Both modules also benefit from the built-in Data Logger, which records live readings to a simple CSV file at your chosen interval, and the Report Sheet feature, which prints a complete configuration summary for easy documentation. Available at no cost and simple to install on any Windows PC, SWC5090-SW puts fast, reliable configuration of your D5232Q and D5072D-096 modules right at your fingertips.

G.M. International Intrinsically Safe Isolators Configuration Cable

Part Number	Price	Description	For Use With	Includes	Drawing
PPC5092	\$178.00	Configuration cable	D5232Q and D5072D-096	Cable, USB adapter and SWC5090-SW software on CD	PDF

SWC5090 Configurator



NOTE: always use the USB to Serial adapter. A standard USB A to USB Mini cable to the PC will not work.

G.M. International Configuration Software

Part Number	Price	Description
SWC5090-SW	FREE	Configuration software

The screenshot shows the 'G.M. International - SWC5090 Configuration Software - D5232Q\D6232Q - *' window. It has tabs for 'Configuration', 'Monitor', and 'Data Logger'. The 'Configuration' tab is active, showing 'Input and output configuration'. Under 'Inputs', there are four rows for Input 1 through Input 4. Each row has a dropdown menu for sensor type (Dry Contact or Proximity) and a checkbox for 'Fault on bus'. Under 'Tags', there are four rows for Tag 1 through Tag 4, each with a text input field. Under 'Outputs', there are four rows for Output 1 through Output 4. Each row has a dropdown menu for 'Source' (Input 1 through Input 4) and two dropdown menus for 'Contact position' (when input is open and in case of fault). There are also checkboxes for 'Fault repeater' with labels '- Open - in normal condition.' and '- Closed in fault condition.'

G.M. International Intrinsically Safe Isolators

**D5040D****D5232Q**

Overview

G.M. International's D5000 series uses state-of-the-art solutions to achieve the highest performance for Intrinsically Safe applications and is recognized by more than 15 certification bodies all over the world.

Intrinsically Safe Galvanic Isolators provide the most simple and cost effective means of implementing Intrinsic Safety into hazardous area applications.

Features

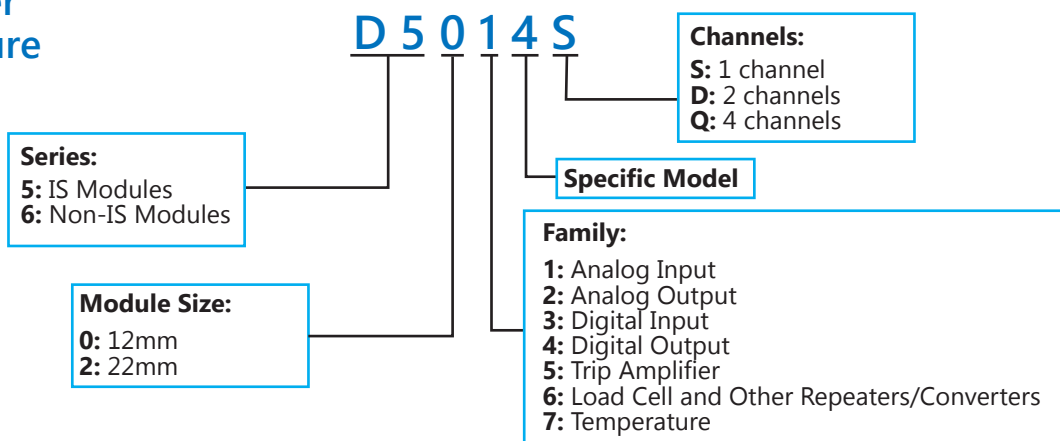
- Reduced foot print: high density, 6mm per channel
- Low power consumption
- Reduced cooling needs: low heat dissipation
- Suitable for indoor and outdoor use: certified -40 to +70 °C
- Resilience to surges: 2.5 kV isolation
- Resistant to harsh environments
- Lower ownership cost: certified for 20 years of operation

G.M. International Intrinsically Safe Isolators Selection Guide

Part Number	Price	Isolator Type	Field Device	Channels	Controller Side (PLC/DCS)	Drawing
Analog Input (From Hazardous Area)						
D5014D	\$484.00	Analog input repeater/splitter	(2) 4–20 mA HART	2 in / 2 out	(2) 4–20 mA HART	PDF
Analog Output (To Hazardous Area)						
D5020D	\$561.00	Analog output repeater/splitter	(2) 4–20 mA HART	2 in / 2 out	(2) 4–20 mA HART	PDF
Digital (Discrete) Input (From Hazardous Area)						
D5030D	\$291.00	Digital input repeater/splitter	(2) NAMUR* sensors (2) dry contacts	2 in / 2 out	(2) Configurable contacts	PDF
D5232Q	\$415.00	Digital input repeater/splitter	(4) NAMUR sensors (4) dry contacts	4 in / 4 out	(4) Configurable contacts	PDF
Digital (Discrete) Output (To Hazardous Area)						
D5040D	\$369.00	Digital output repeater/splitter	Up to 60 mA at 18.2 VDC	2 in / 2 out	(2) 18–30 VDC	PDF
Temperature Transmitter (From Hazardous Area)						
D5072D-096	\$701.00	Temperature repeater/splitter	(2) Thermocouple	2 in / 2 out	(2) Equal to input	PDF
Load Cell Strain Gauge Transmitter (From Hazardous Area)						
D5263S	\$749.00	Load cell strain gauge repeater	(4) 350Ω or (5) 450Ω or (10) 1000Ω in parallel	1 in / 1 out	(1) Resistance equal to input	PDF

* A NAMUR sensor is an intrinsically safe 2-wire sensor which supplies one of two signal levels depending on sensor state.

Part Number Nomenclature



Safety Products



Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.

AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.