

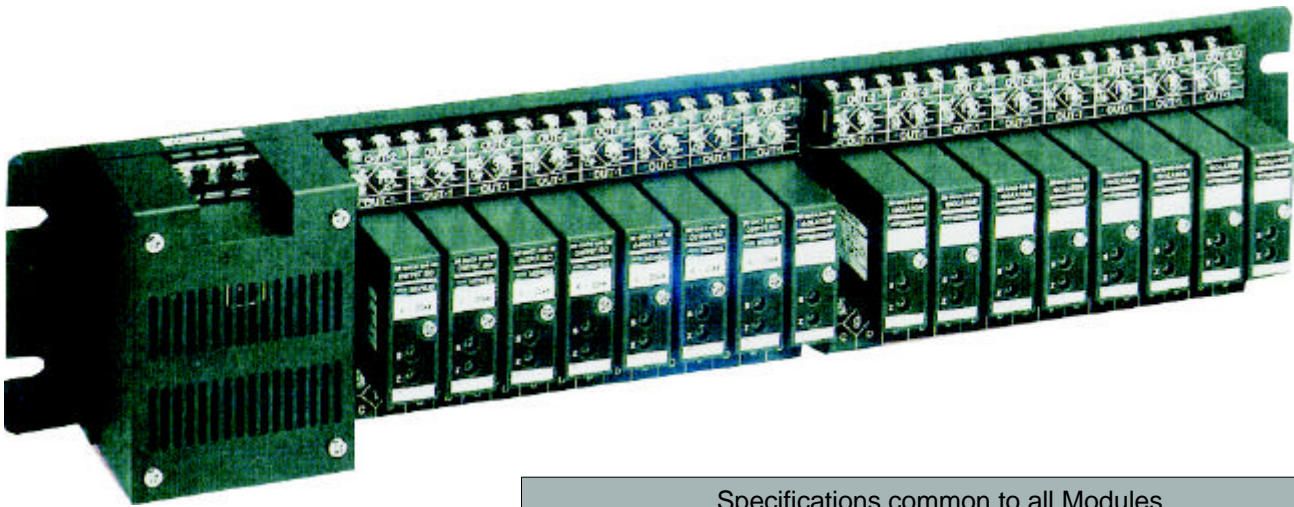


DUAL-OUTPUT

The-DS2900 series isolation modules have two output channels that are fully isolated. This will greatly increase the flexibility in designing process monitoring system and reduce the overall cost. Customers can use one of the outputs for input of process monitoring computer system and use the rest for event recording at the field. At the same time, it is very easy to design dual mutual stand-by system using single sensors.

FOUR-WAY ISOLATION

Input, Output Channel-1, Channel-2 and Power Input are fully isolated from each other. This will prevent false signals due to ground loop currents and damage to computer systems due to high common mode voltage, Input port of input module and output port of output module are isolated at 1,500V AC breakdown voltage from others. Other ports are isolated at 500V AC breakdown voltage from each other. Delta's expertise in analog signal processing made it possible to provide long-term stability and high reliability obtained by employing transformer isolation in this small housing -65 X 48 X 18mm



Specifications common to all Modules		
INSULATION RESISTANCE		100MΩ min. (@500V DC) Input-Output-1-Output-2-Power
DIELECTRIC STRENGTH	INPUT MODULE	Input-(Output-1. Output-2. Power): 1,500V AC for 1 minute
	OUTPUT MODULE	Out-1-Output-2-Power : 500V AC for 1 minute Output-(Input+Power) : 1,500V AC for 1 minute Input-Power : 500V AC for 1 minute
SURGE WITHSTAND CAPABILITY		Tested for ANSI/IEEE C37.90.1-1989
POWER REQUIREMENT		24V DC ±10%
SUPPLY SENSITIVITY		±0.1% of output(@10% variance)
OVERCURRENT PROTECTION		2.2x 1/4W Fuse Resistor on power line
OPERATING ENVIRONMENT		Ambient Temperature : 0-55°C Humidity : 90%RH max. (Non-condensation)
STORAGE TEMPERATURE		-10-60°C
DIMENSIONS		W48 X H70 X D18mm
MATERIAL	HOUSING	ABS
	PCB	Glass Fabric, Epoxy resin