



SEZ-HAUX-LS

ANALOGUE AUXILIARY EXPANSION MODULE

Features

- Power Supply can be 24VAC or DC
- 0-10vdc Signal Booster
- 0-10vdc Signal Inverter
- 0-10vdc Signal Doubler
- 0-10v Low-Signal Selector 7 Input
- 2 x 0-10V Input Switching Relays
- Individual Adjustable Relay Turn On Points
- Each Signal Conditioner Has Separate I/O
- Mounts In Most M.C.B Din Rail Enclosures
- Inputs & Outputs Diode Clamp Protected
- Inputs & Outputs Current limited (series resistor)

Use

The **SEZ-HAUX-LS** is intended for use as an auxiliary expansion module with various outputs responding to individual 0 to 10 volt input signals.

The module incorporates :

One 0-10vdc **Signal Booster** input (X1) useful for when the load on a signal exceeds its output power capabilities ..example : several VSD's or damper motors driven from one 0-10v signal. 3 parallel outputs (Y1, Y2 & Y3) are available (from the common X1 input) each capable of driving loads of 1 mA at 10vDC (>10k ohm load) each.

One 0-10vdc **Signal Doubler** - generating in sequence two 0-10vdc output signals from input X2 . 0 - 4.8 = 0-10vdc on Y4, and 5.2 - 10v = 0 to 10vdc on Y5. One 0-10vdc **Signal Inverter** that inverts the signal on X3 to a 10-0vdc signal output on Y6.

Two independent **0-10vdc Controlled Relays**. Input X4 controls relay 1, input X5 controls relay 2. Relays have independent c/o contacts rated at 8 amps (resistive).

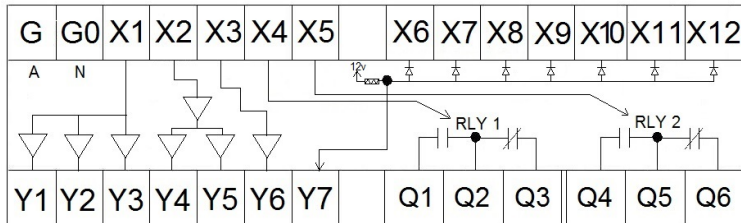
One **Low Signal Selector** Diode array with 7 inputs (X7-X12) , the lowest 0-10vdc signal is output on terminal Y7 (allow 0.6 voltage gain).



Made in Australia
100% Australian Owned Company

General Specifications	Operating Voltage	24 Volts AC or DC
	Power Consumption	
	At 24vAC	2.5 VA
	At 24vDC	100 mA
	Input Terminals	
	Signal Input Voltage's	0-10 Volts DC
	inputs signal load	0.3ma
	Analogue outputs	
	ouput signals	0-10 Volts DC
	output load ea.	1 mA@ 10vDC
Relay Outputs		
	2 x Potential free SPDT rated at 8 Amps resistive / 2 Amps inductive	
	ON Point Adjustment	1V to 9.5 Volts DC
	Switching differential	fixed at 0.5 volts
Environmental Conditions	Operation	
	Ambient Temperature	0...45oC
	Humidity	< 85 % RH (Non Condensing)
	Storage and Transport	
	Ambient Temperature	-5...65oC
	Humidity	< 90 % RH (Non Condensing)
Weight	Including Packaging	200 grams
Housing	Colour	Grey
	Material	ABS POLYCARB
	UV Stabilised	YES
	Fire Retardant	YES
	Size	L105mm x W105mm x D60mm
	Mounting Method	35mm Din Rail Mountable

Terminal Designations



G 24 Volt Supply Active
 G0 24 Volt Supply Neutral / Ground Reference

X1 Signal Booster Input
 X2 Signal Doubler Input
 X3 Signal Inverter Input
 X4 Relay 1 Control Input
 X5 Relay 2 Control Input
 X6-X12 Low-Signal Inputs

Y1 Booster Output 1
 Y2 Booster Output 2
 Y3 Booster Output 3
 Y4 Signal Doubler Output 1
 Y5 Signal Doubler Output 2
 Y6 Inverted Signal Output
 Y7 Low-Signal Output

Q1 Relay 1 N/O Contact
 Q2 Relay 1 Common
 Q3 Relay 1 N/C Contact

Q4 Relay 2 N/O Contact
 Q5 Relay 2 Common
 Q6 Relay 2 N/C Contact

