

Serial Opto-22 G1 Analog Module Controller



Description

The **SRL-22A** has been specially designed to communicate with Opto-22 G1 modules. Featuring 16 Opto-22 output lines, it serves as an interface between the Opto-22 modules and a PC.

As with the other Serial MicroDAQ products, the SRL-22A is available with an RS232 or RS485 interface. This serial unit is situated outside of the PC and can be easily connected/disconnected when needed. An easy-to-use configuration panel allows for management of connected devices.

The SRL-22A is powered from a 9VDC power supply which is provided with the unit. An external power supply is required for the Opto-22 carrier board (+5V & ±15V). Power rating is dependent on module selection.

Typical applications include projects where a customer requires a 4-20mA output signal.



Front

Back

DB-25M

Module1	14	1	Module0
Module3	15	2	Module2
Module5	16	3	Module4
Module7	17	4	Module6
Module9	18	5	Module8
Module11	19	6	Module10
Module13	20	7	Module12
Module15	21	8	Module14
NC	22	9	Strobe
NC	23	10	NC
NC	24	11	NC
NC	25	12	NC
NC		13	DGND

IDC50M Opto-22 Carrier

SV Logic	50	49	SV Logic
Module0	48	47	GND
Module1	46	45	GND
Module2	44	43	GND
Module3	42	41	GND
Module4	40	39	GND
Module5	38	37	GND
Module6	36	35	GND
Module7	34	33	GND
Module8	32	31	GND
Module9	30	29	GND
Module10	28	27	GND
Module11	26	25	GND
Module12	24	23	GND
Module13	22	21	GND
Module14	20	19	GND
Module15	18	17	GND
SV Logic	16	15	SV Logic
Strobe	14	13	SV Logic
NC	12	11	SV Logic
NC	10	9	NC
NC	8	7	NC
NC	6	5	NC
NC	4	3	NC
NC	2	1	NC

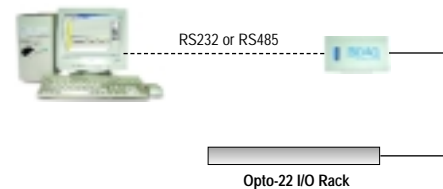
Features

- ◆ Connects via RS232 or RS485
- ◆ 16 Opto-22 Output Lines
- ◆ LED indication for power connection
- ◆ Connector: 1x DB25 Male
- ◆ Housing: Plastic ABS with rubber feet
- ◆ Operating Temp: 0 to 70°C
- ◆ Power: 100mA max
- ◆ O/S Support for Windows 98/ME/XP/2000
- ◆ Includes EDRE SDK, EDRE-Labview, EDRE-Testpoint and WaveView for Windows
- ◆ Dimensions: 45(H) x 80(W) x 148(L) mm



System Configuration

PC with single serial port & MicroDAQ unit



Ordering Information

Supplied with EDR Enhanced Software, Serial Cable & 9VDC Regulated PSU

SRL-22A-RS232-4	Serial Opto-22 Controller (RS232 Interface) with Opto-22 4-module carrier board and control cable
SRL-22A-RS232-8	Serial Opto-22 Controller (RS232 Interface) with Opto-22 8-module carrier board and control cable
SRL-22A-RS232-16	Serial Opto-22 Controller (RS232 Interface) with Opto-22 16-module carrier board and control cable
SRL-22A-RS485-4	Serial Opto-22 Controller (RS485 Interface) with Opto-22 4-module carrier board and control cable
SRL-22A-RS485-8	Serial Opto-22 Controller (RS485 Interface) with Opto-22 8-module carrier board and control cable
SRL-22A-RS485-16	Serial Opto-22 Controller (RS485 Interface) with Opto-22 16-module carrier board and control cable
CAB-SRL-22A	SRL-22A Control Cable

Available Analog Opto-22 G1 Modules

INPUT

MODEL	Description
AD3	4-20mA
AD3T	4-20mA isolated
AD4	ICTD temp probe
AD5	Type J thermocouple
AD5T	Type J isolated
AD6	0-5VDC
AD6HS	0-5VDC, high speed
AD6T	0-5VDC isolated
AD7	0-10VDC
AD8	Type K thermocouple
AD8T	Type K isolated
AD9T	0-5mV
AD10T2	100 ohm RTD isolated
AD11	-5 to +5VDC
AD12	-10 to +10VDC
AD13T	0-100mV isolated
AD14T	10 ohm RTD isolated
AD15T	28-140VAC isolated
AD16T	0-5A AC/DC isolated
AD17T	Type R or S isolated
AD18T	Type T isolated
AD19T	Type E isolated
AD20	Frequency (rate) input

OUTPUT

MODEL	Description
DA3	4-20mA
DA3T	4-20mA isolated
DA4	0-5VDC
DA4T	0-5VDC isolated
DA5	0-10VDC
DA6	-5 to +5VDC
DA7	-10 to +10VDC
DA8	0-20mA

