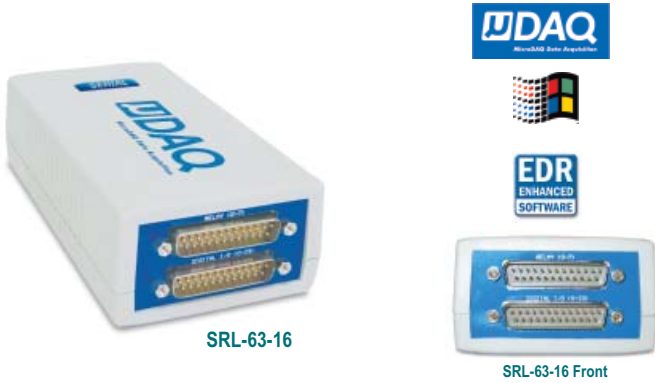


Ideal for Desktop/Laptop/PDA use



DESCRIPTION

The MicroDAQ SRL-63 is a Reed Relay Output and digital I/O product which communicates to the host PC via a RS-232 or RS-485 (dependent on model) serial connection. Based on the industry standard 82C55 PPI device. It features 16/32 Reed Relay Outputs (depending on model) and 24 TTL level Digital I/O lines. The I/O can be programmed in banks of 8 as inputs or outputs.

Two interface versions are available for the serial MicroDAQ range, these include RS-232 models and RS-485 models. The RS-232 models are best suited for short distances (up to 30 metres) or for use with hand held PC's such as PDA's.

The RS-485 models allow for long distance data transmission (up to 1200 metres). These RS-485 models are ideally suited for process control applications in a plant or industrial environment, which require long cable runs.

An easy-to-use configuration panel allows for easy setup of the devices. Drivers are provided for the most popular operating systems, as well as for the WindowsCE® family of products including PocketPC2002 and PocketPC2003.

This support allows the serial MicroDAQ range to be controlled directly from a palm held PC with a serial port. Each unit is supplied with a WindowsCE API and control panel which is downloaded from a PC to the handheld device. Embedded Visual C++ and embedded Visual Basic examples are supplied.

The SRL-63 with it's Reed Relay Outputs eliminates the need for additional cables and Relay modules. The SRL-63 is powered by a Regulated 9VDC @ 1A Universal Input PSU, which is supplied with the unit.

FEATURES

- Connects via RS232 or RS485
- 24 TTL Level DIO lines
- 16 or 32 Reed Relay Digital Outputs (model dependent)
- I/O Connectors: 3x DB25 (SRL-63-16); 5x DB25 (SRL-63-32)
- LED indication for power connection
- Ideal for portable/laptop applications
- Housing: Plastic ABS with rubber feet
- Operating Temp: 0 to 70°C
- Power: 260mA (USB-63-16); 420mA (USB-63-32) max
- O/S Support for Windows 98/ME/XP/2000 & WinCE (PocketPC2002 & PocketPC2003)

Specifications

Digital I/O (DIO)	
No. of TTL Lines:	24
Logic Levels:	
Input Low Voltage:	-0.5V to 0.8V
Input High Voltage:	2.0V to 5.0V
Output High Voltage Min:	2.4V
Output Low Voltage Max:	0.45V
Maximum Output Current:	2mA
Reed Relay Characteristics	
Number of channels:	16 or 32
Relay Contact Data	
Contact Form:	Form A (SPST)
Rated Power:	20W (max)
Switching Voltage:	200VDC (max) (DC or peak AC)
Switching Current:	1A (max) (DC or peak AC)
Carry Current:	1.25A (max) (DC or peak AC)
Contact Resistance:	0.15 Ohm (Static); 0.2 Ohm (Dynamic)
Breakdown Voltage:	320 VDC (min) (Across Contacts)
	4200 VDC (min) (Contact to Coil)
Switching Time:	0.5mS
Release Time:	0.1mS

Ordering Information

Supplied with EDR Enhanced Software & Universal Switch Mode 9V PSU	
SRL-63-16-RS232	RS232 24 Channel DIO Unit with additional 16 Reed Relay Digital Outputs - incl 2Mtr RS232 Cable; Universal Switch Mode 9V PSU
SRL-63-16-RS485	RS485 24 Channel DIO Unit with additional 16 Reed Relay Digital Outputs - incl ADPT-9; Universal Switch Mode 9V PSU
SRL-63-32-RS232	RS232 24 Channel DIO Unit with additional 32 Reed Relay Digital Outputs - incl 2Mtr RS232 Cable; Universal Switch Mode 9V PSU
SRL-63-32-RS485	RS485 24 Channel DIO Unit with additional 32 Reed Relay Digital Outputs - incl ADPT-9; Universal Switch Mode 9V PSU



SRL-63-32



SRL-63 with Adaptors

DIGITAL I/O (0-23)

PA1	14	1	PA0
PA3	15	2	PA2
PA5	16	3	PA4
PA7	17	4	PA6
PB1	18	5	PB0
PB3	19	6	PB2
PB5	20	7	PB4
PB7	21	8	PB6
PC1	22	9	PC0
PC3	23	10	PC2
PC5	24	11	PC4
PC7	25	12	PC6
	13		DGND

Front Lower DB25 Connector for 16 & 32 channel unit

REED RELAY O/P (0-7)

RELAY 0 (2)	14	1	RELAY 0 (1)	
RELAY 1 (2)	15	2	RELAY 1 (1)	
RELAY 2 (2)	16	3	RELAY 2 (1)	
RELAY 3 (2)	17	4	RELAY 3 (1)	
RELAY 4 (2)	18	5	RELAY 4 (1)	
RELAY 5 (2)	19	6	RELAY 5 (1)	
RELAY 6 (2)	20	7	RELAY 6 (1)	
RELAY 7 (2)	21	8	RELAY 7 (1)	
	NC	22	9	NC
	NC	23	10	NC
	NC	24	11	NC
	NC	25	12	NC
		13		NC

Front Upper DB25 Connector Unit for 16 Channel unit & Front Centre DB25 Connector for 32 channel unit

REED RELAY O/P (8-15)

RELAY 8 (2)	14	1	RELAY 8 (1)	
RELAY 9 (2)	15	2	RELAY 9 (1)	
RELAY 10 (2)	16	3	RELAY 10 (1)	
RELAY 11 (2)	17	4	RELAY 11 (1)	
RELAY 12 (2)	18	5	RELAY 12 (1)	
RELAY 13 (2)	19	6	RELAY 13 (1)	
RELAY 14 (2)	20	7	RELAY 14 (1)	
RELAY 15 (2)	21	8	RELAY 15 (1)	
	NC	22	9	NC
	NC	23	10	NC
	NC	24	11	NC
	NC	25	12	NC
		13		NC

Rear Upper DB25 Connector for 16 channel unit & Rear Centre DB25 Connector for 32 channel unit

REED RELAY O/P (16-23)

RELAY 16 (2)	14	1	RELAY 16 (1)	
RELAY 17 (2)	15	2	RELAY 17 (1)	
RELAY 18 (2)	16	3	RELAY 18 (1)	
RELAY 19 (2)	17	4	RELAY 19 (1)	
RELAY 20 (2)	18	5	RELAY 20 (1)	
RELAY 21 (2)	19	6	RELAY 21 (1)	
RELAY 22 (2)	20	7	RELAY 22 (1)	
RELAY 23 (2)	21	8	RELAY 23 (1)	
	NC	22	9	NC
	NC	23	10	NC
	NC	24	11	NC
	NC	25	12	NC
		13		NC

Front Upper DB25 Connector for 32 channel unit

REED RELAY O/P (24-31)

RELAY 24 (2)	14	1	RELAY 24 (1)	
RELAY 25 (2)	15	2	RELAY 25 (1)	
RELAY 26 (2)	16	3	RELAY 26 (1)	
RELAY 27 (2)	17	4	RELAY 27 (1)	
RELAY 28 (2)	18	5	RELAY 28 (1)	
RELAY 29 (2)	19	6	RELAY 29 (1)	
RELAY 30 (2)	20	7	RELAY 30 (1)	
RELAY 31 (2)	21	8	RELAY 31 (1)	
	NC	22	9	NC
	NC	23	10	NC
	NC	24	11	NC
	NC	25	12	NC
		13		NC

Rear Upper DB25 Connector for 32 channel unit