

**PLEASE PASS TO YOUR
ELECTRICAL
DESIGN DEPT.**

Dear Customer

Welcome to our October bulletin.

This month I am very pleased to announce that our range of energy monitoring products have been accepted for inclusion onto the Enhanced Capital Allowance (ECA) Scheme, Energy Technology Product List. This means that businesses investing in products on the list can benefit from 100% first year capital allowances for their expenditure. For further details of the scheme please see the Enhanced Capital Allowance Scheme web site www.eca.gov.uk or email eca@thecarbontrust.co.uk. The list of our products registered is as follows:-

Ref.	Product	Description	Classification
12163	96CTEP	Electronic kWh meter range	A (Metering)
12164	D6CTEP	Electronic kWh meter range	A (Metering)
12166	KW3H	Electronic kWh meter range	A (Metering)
12165	D4CR8	8 x Pulse contact input RS485 output	A (Metering)
12161	Midas	Windows based software	C (Software)
12159	Nemo 3DSHC	DIN rail Multi-function meter with RS232	A and B
12158	Nemo 3DSH	DIN rail Multi-function meter	A (Metering)
12160	Nemo 3DSHCM	DIN rail Multi-function meter with RS485	A and B
12152	Nemo 96 3DSH	DIN 96 Multi-function meter	A (Metering)
12153	Nemo 96 3DSHCM	DIN 96 Multi-function meter with RS485	A and B
12155	Nemo 96/25	DIN 96 Multi-function meter	A (Metering)
12156	Nemo 96/35	DIN 96 Multi-function meter with RS485	A and B
12162	Nemo 96/AN	DIN 96 Multi-function meter - analogue output	A (Metering)
12157	Nemo 96/PB	DIN 96 Multi-function meter Profibus	A and B

Full technical details are available on request.

Yours sincerely
Gary Brookes
Director

PRODUCT FOCUS

THE PRODUCT

The D4CR8 is designed for use with any device that has a pulse output, such as energy, gas, water and heat meters.

The module will allow connection of upto eight inputs to be converted into an RS485 signal for remote transmission. The D4CR8 has on board memory in the event of power failure.



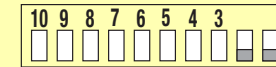
SPECIFICATION

Input	SPST - NO volt free contact
Input Pulse ratio	ON ≥20ms, OFF >20ms
Max Pulse Frequency	25Hz
Transmission	Serial asynchronous
Transferred Data	8-registers
Protocol	JBUS/MODBUS
Address	1...255
Stop Bit	1
Parity Bit	None
Baud Rate	1200, 2400, 4800, 9600
Max. Response Time	≤300ms
Max Distance	1200m to transmission point
LED	Tx - transmission condition Rx - receiving condition
Aux. Supply	115V 50/60Hz or 230V 50/60Hz -15% +10%
Insulation	Impulse 5kV 1.2/50μ 0.5J (IEC 255-4) 2kV 50Hz/1min - input and output/auxiliary 4kV 50Hz/1min - all circuits earth
Electromagnetic Compatibility	Fast transient burst (IEC 801-4) Security Level 4

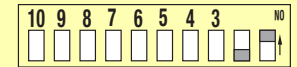
FRONT PANEL DIP SWITCH ADJUSTMENT

Baud Rate settings

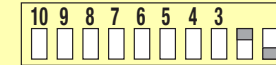
1200



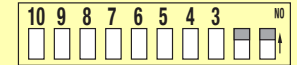
2400



4800

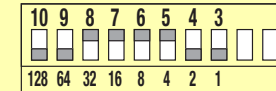


9600

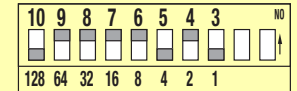


Address settings (1...255)

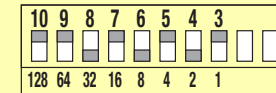
60 = 32+16+8+4



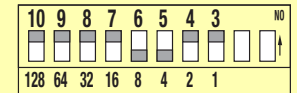
122 = 64+32+16+8+2



181 = 128+32+16+4+1



234 = 128+64+32+16+2+1



PRICES

D4CR8 £125.93 Available from stock.

USEFUL CONTACTS

Instrumentation, Industrial Relays

Tel: 01268 749301

Safety Products

Tel: 01268 749302

Temperature/Pressure and Rotational Products

Tel: 01268 749303

Special Projects

Tel: 01268 749300

Customer Service

Tel: 01268 749300

WEB SITE

For company news and product information visit

www.rayleigh.co.uk

We would welcome your comments.

RAYLEIGH INSTRUMENTS LIMITED

FAX BACK

01268 749309

Company Name: _____

Address: _____

Postcode: _____

Tel: _____

Contact: _____

Position: _____



Please send details of your **D4CR8** Pulse Acquisition Module.