

NEW ELEC



MOTOR PROTECTION & CONTROL TECHNOLOGY

UCR 80 Overcurrent Relay...



A South African Company to be Proud of



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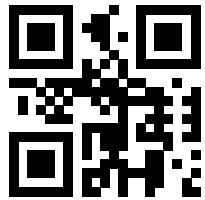


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Innovative solutions from South Africa's Leading Motor Protection Specialists

About NewElec

NewElec designs and manufactures a wide range of superior electronic motor protection relays for both local and International markets. NewElec's goal, for the past 38 years, has been to exceed the expectations of every client by OFFERING quality products, outstanding customer service and greater value, thus optimizing system functionality and improved operational efficiency.

As experts in motor protection, NewElec is involved in every stage of the client's selection of the required protection relay offering ongoing functional and technical support. Our R&D division is continually designing the most up to date motor protection products to meet customer requirements.

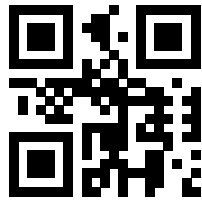
NewElec's electronic motor protection relays can be found in refineries, mining, steel, petrochemical, pulp and paper, sugar mills, agriculture and material handling industries to name a few, both locally and internationally. The NewElec product range includes software programmable LV motor protection relays for process control applications, protection relays for LV and MV motors, relays for pump motor protection, as well as earth leakage protection relays.

NewElec is continually expanding and has recently installed a manufacturing division for its relay housings. This ensures that the final product meets NewElec's precise requirements.

With headquarters in Pretoria West, Gauteng, South Africa, NewElec was established in May 1978 and is accredited with ISO 9002.

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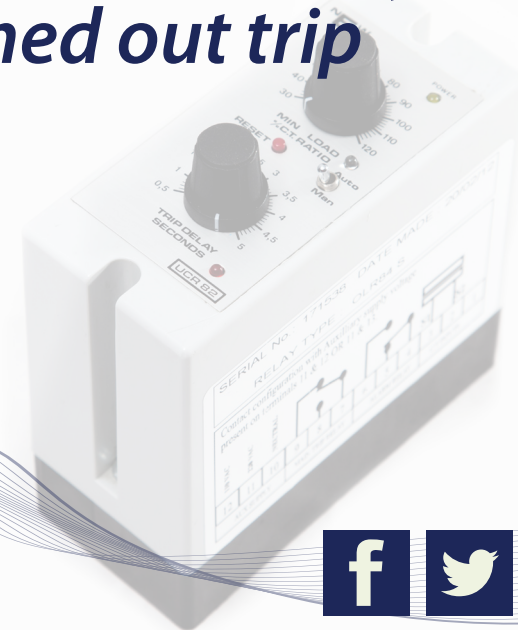


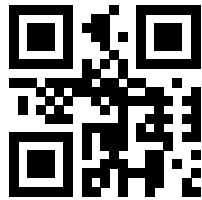


Why was it designed?

It was designed as a single-purpose relay monitoring one phase of the main circuit so as to provide load loss protection for selected applications.

Alternatively, for use as an alarm or current regulating relay for assigned load platforms with optional timed out trip function.

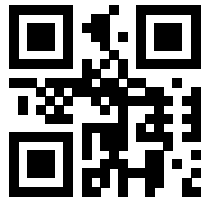




Feature Highlights

- *Easy to set minimum load setting dial calibrated in percentage (30 to 120 % of primary CT)*
- *Easy to set main trip time delay dial calibrated in seconds (5 to 50 seconds)*
- *Has one MAIN trip changeover contact*
- *Has one INSTANTANIOUS trip changeover contact*
- *Needs only a small foot print 52 x 102 mm*
- *Control panel mounted auto / manual reset button*
- *Front control panel mounted monitoring and latched trip LEDs*

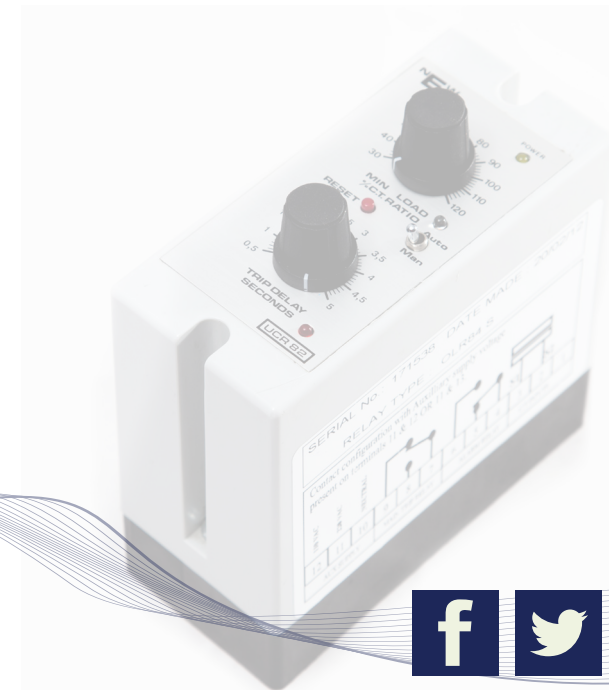


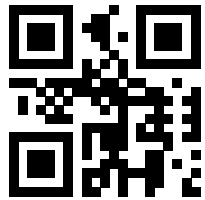


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Benefits

- *Excellent underload protection*
- *Easy to set and accommodates any current range*





Typical Applications

Preparatory minimum load warning or control prior to underload trip

Warns and trips main circuit for broken couplings, belt breakages etc.

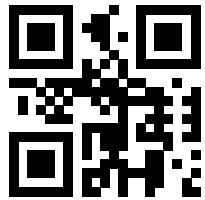
Protects pump motors against dry running

Provides warning of drop in impellor efficiency on pump applications

Regulating of current demand when used in conjunction with the NewElec OLR 8

As a means for switching in two speed wound motor applications





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Specifications

INPUT CONVERTOR

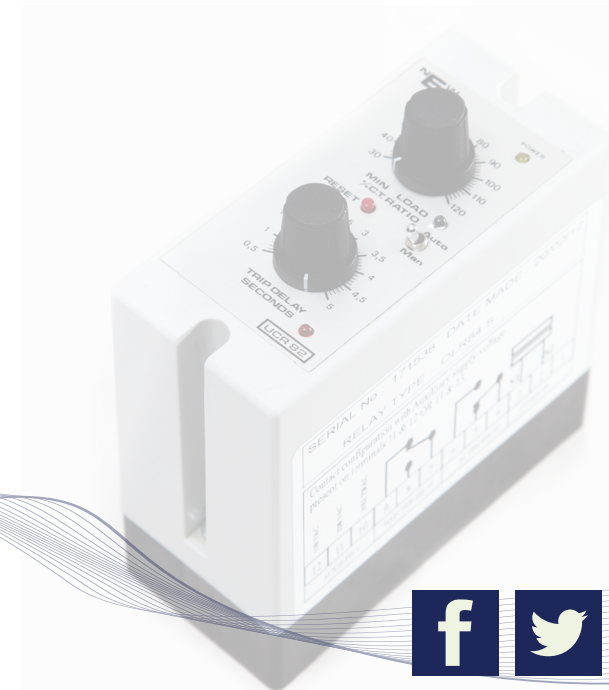
Overload Capacity	600% Load setting 5 min. 800% Load setting 1min.
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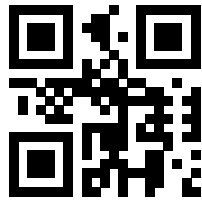
LOAD LEVEL SETTING

Span	30% to 120%
In Level setting accuracy	4%
Linearity	4%
Detection level	4%
Repeatability	1%

TRIP DELAY

OLR8	1 to 10sec
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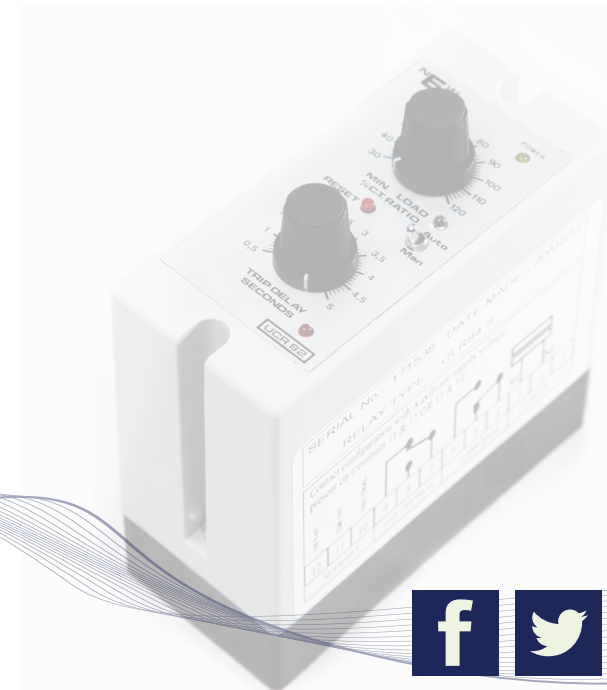
Specifications Contd.

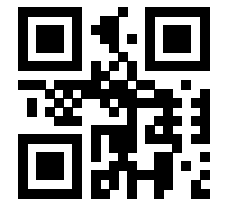
AUXILIARY AND MAIN TRIP RELAY CONTACTS

Rating	6 amps 220Vac
Configuration	1 x FormC

CONTROLSUPPLY

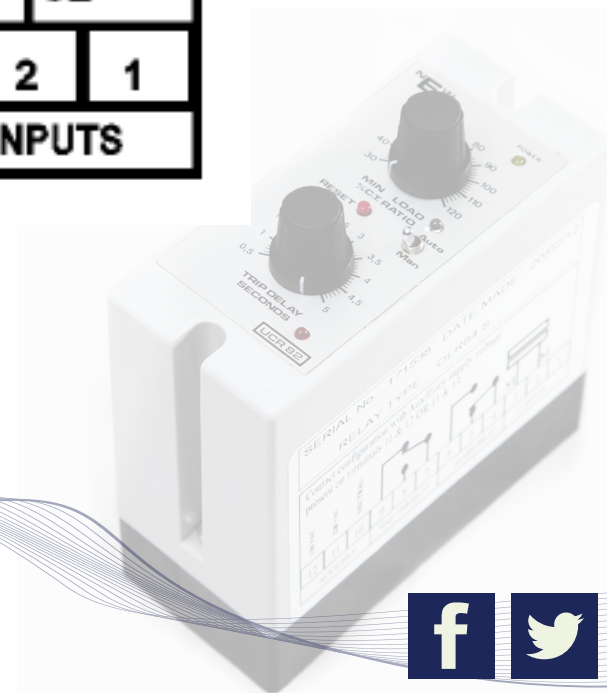
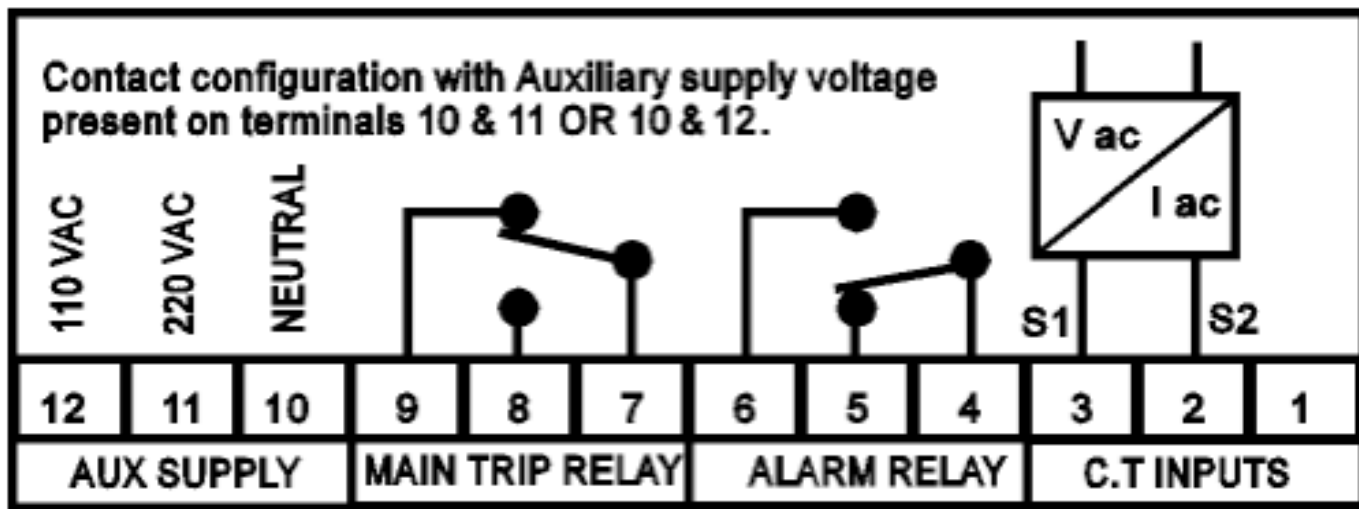
220Vac	±10o
110Vac	±10o
Frequency	42 - 67Hz
Power	1,5Va.
Fail-safeoperation	Unit trips onloss of controlsupply

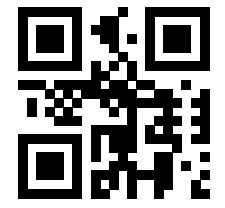




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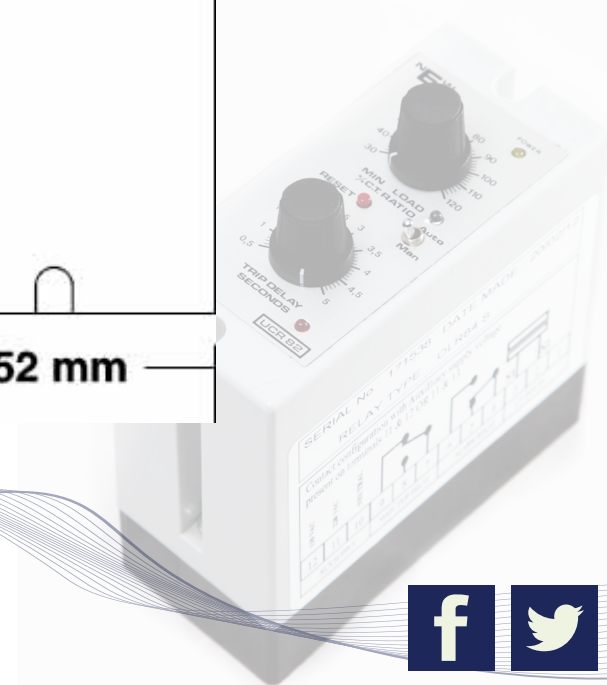
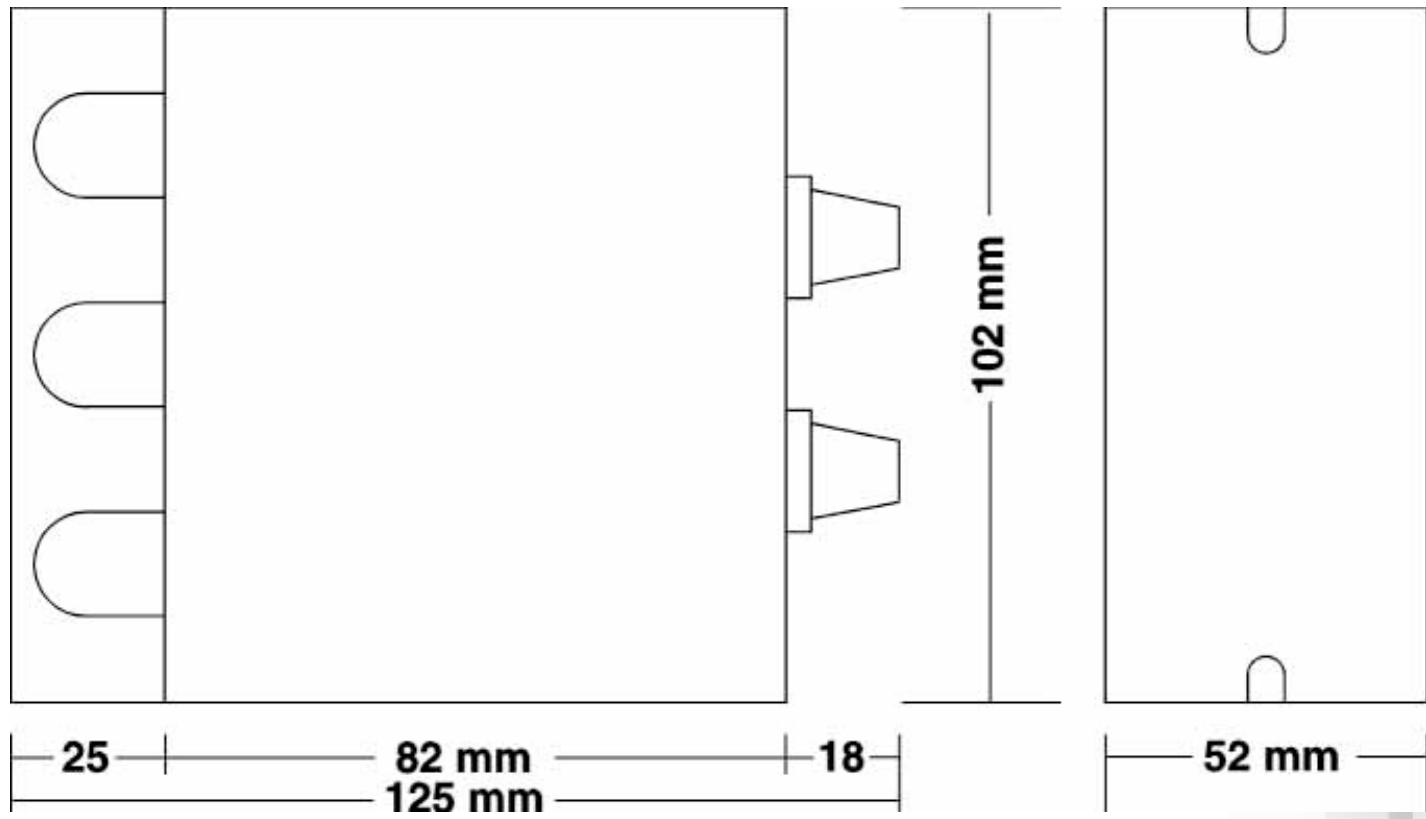
Electrical Connection Diagram

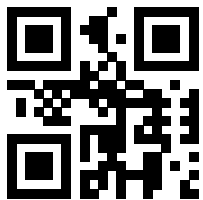




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Dimensional Diagram

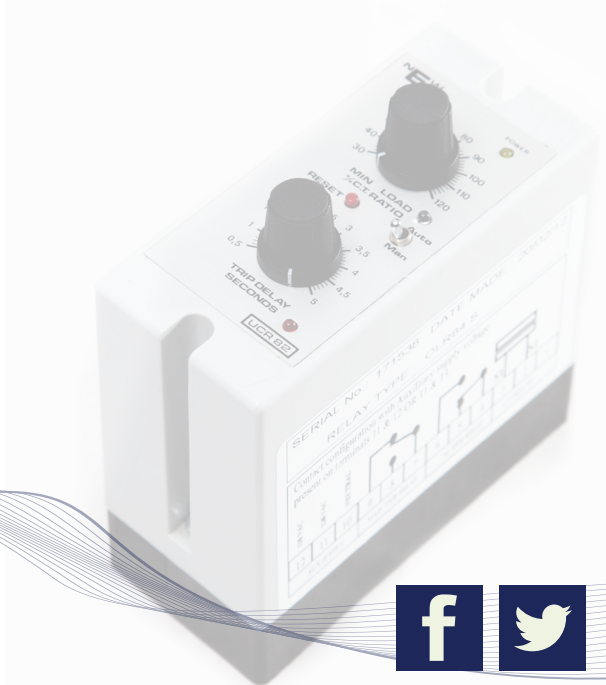


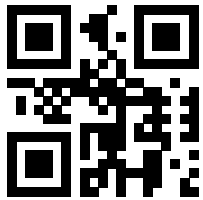


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Ordering Information

Model	
UCR 80	UCR 80/MC/1/S





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We provide a 1 year renewable guarantee

We repair products out of guarantee for 50% of their list price and renew the guarantee

Local support



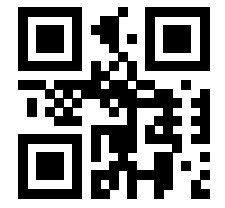
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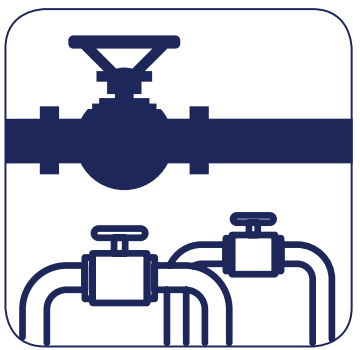


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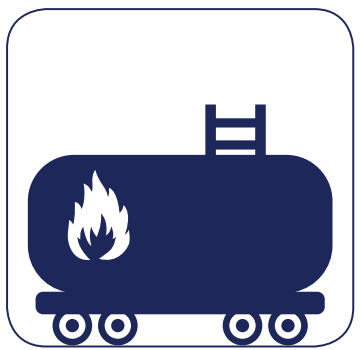
Applications particularly well suited for use in conjunction with the NewElec range of electronic motor protection relays.



Mining



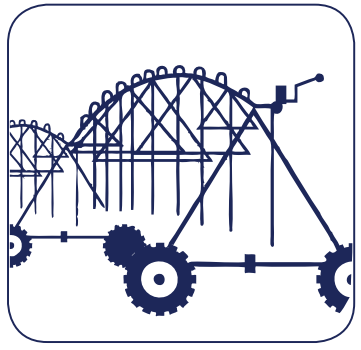
Water Affairs



Petro Chemical



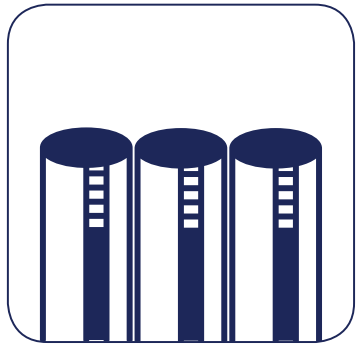
Refineries



Agriculture



Material Handling



Mills



Cable Theft Detection



Pulp & Paper

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