

# NEW ELEC



MOTOR PROTECTION & CONTROL TECHNOLOGY

## OLR 8 Overcurrent Relay...



A South African Company to be Proud of



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[www.newelec.co.za](http://www.newelec.co.za) [sales@newelec.co.za](mailto:sales@newelec.co.za)

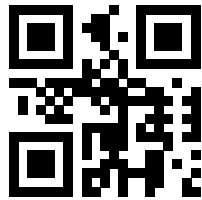


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 GPS Coordinates:  
-25.752984, 28.162957



*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.*

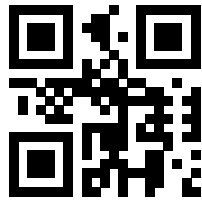
*NewElec's electronic motor protection relays can be found in refineries, mining, steel, petrochemical, pulp and paper, sugar mills, agriculture and material handling industries to name a few, both locally and internationally. The NewElec product range includes software programmable LV motor protection 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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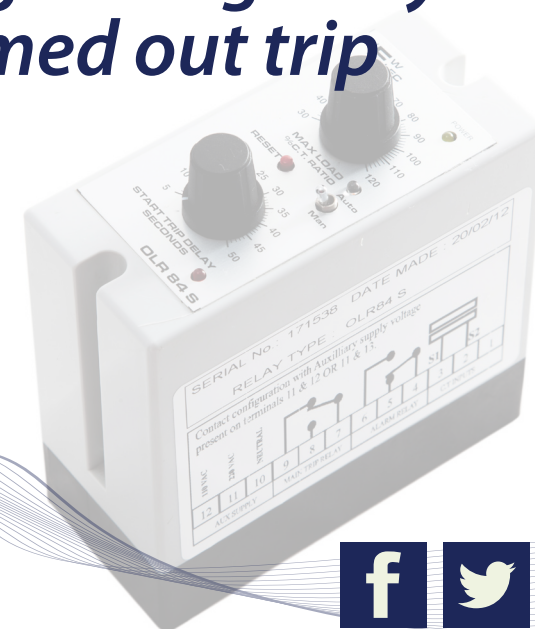


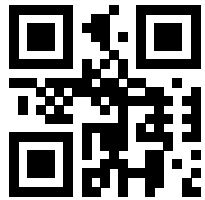


## *Why was it designed?*

*It was designed as a single-purpose relay monitoring one phase of the main circuit so as to provide running stall (jam protection) for selected applications.*

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

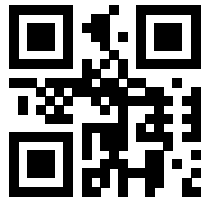




## Feature Highlights

- *Easy to set maximum load setting dial calibrated in percentage (30 ton 120 % of primary CT)*
- *Easy to set main trip time delay dial calibrated in seconds (1 to 10 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*



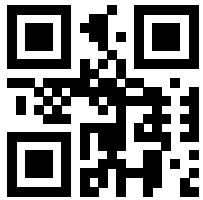


## Benefits

- *Excellent non-IDMT overload protection*
- *Excellent running stall (jamming) protection with full control on load limit setting*
- *Easy to set and accommodates any current range*







## *Typical Applications*

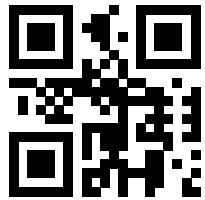
*Preparatory overload warning or control prior to overload trip*

*Stall detection protects driven motor components against impact torque conditions*

*Regulating of current demand when used in conjunction with the NewElec UCR 80*

*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.

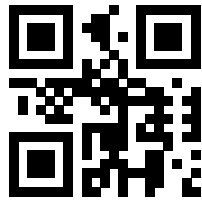
### LOAD LEVEL SETTING

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

### TRIP DELAY

OLR8 1 to 10sec





## Specifications Contd.

### AUXILIARY AND MAIN TRIP RELAY CONTACTS

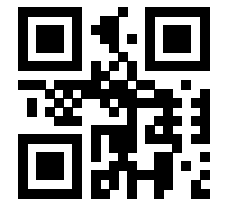
Rating 6 amps 220Vac  
Configuration 1 x FormC

### CONTROLSUPPLY

220Vac  $\pm 10\%$   
110Vac  $\pm 10\%$   
Frequency 42 - 67Hz  
Power 1,5Va.  
Fail-safeoperation Unit trips on loss of controlsupply

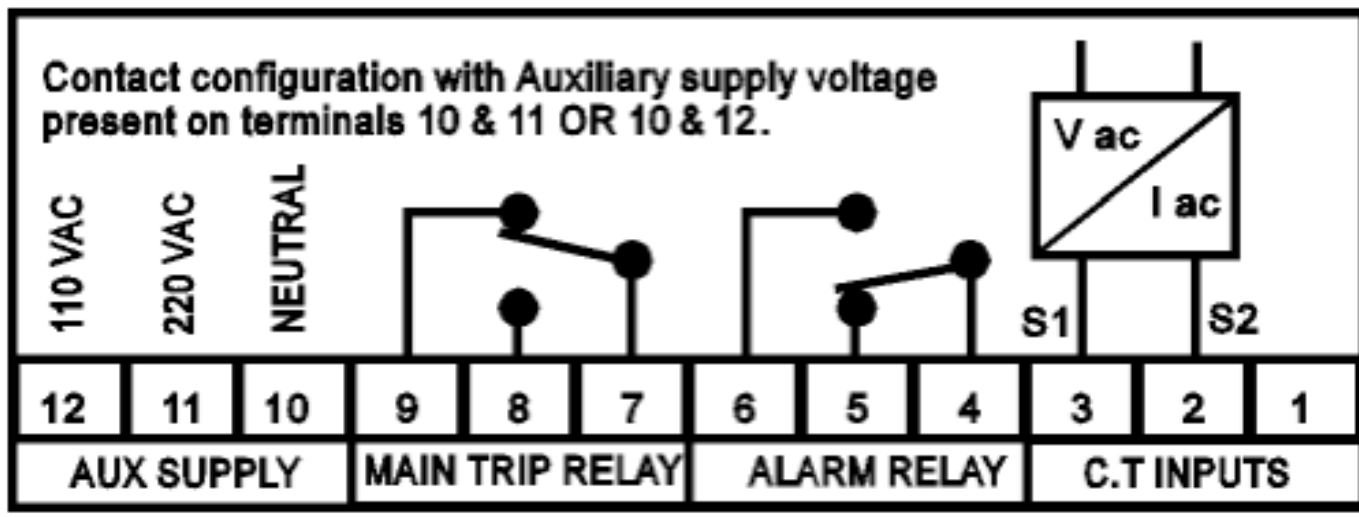


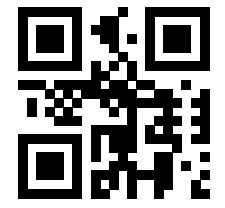




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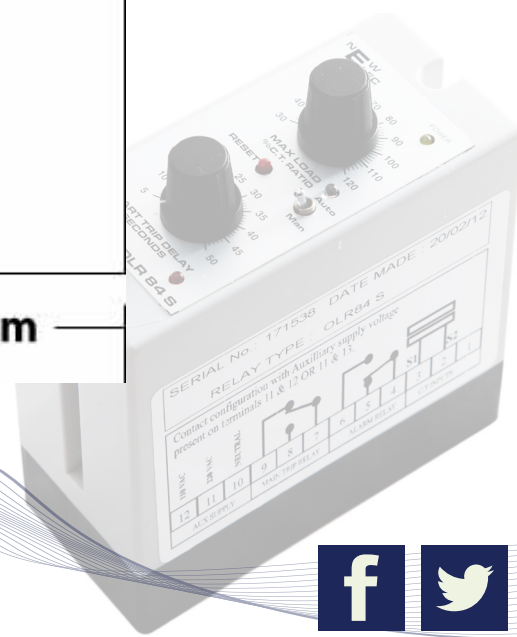
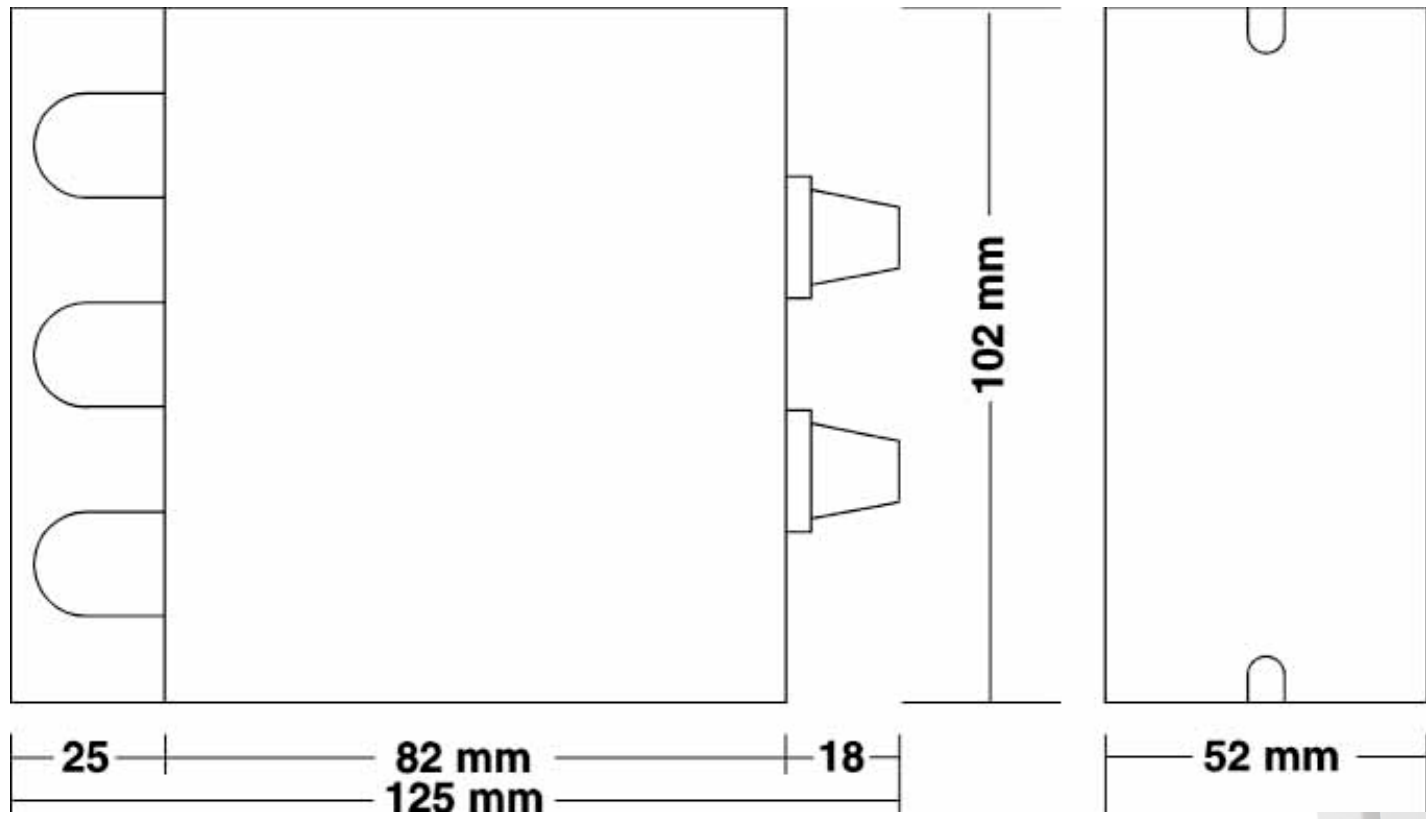
## Electrical Connection Diagram

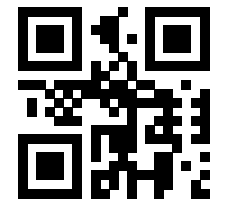




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## Dimensional Diagram



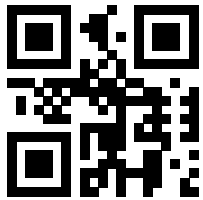


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## Ordering Information

Model	
OLR 8	OLR 8/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*



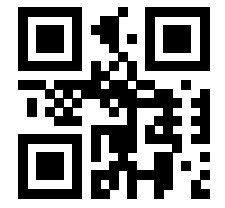
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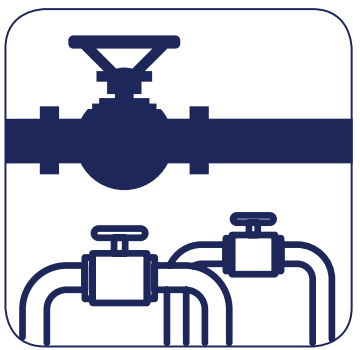


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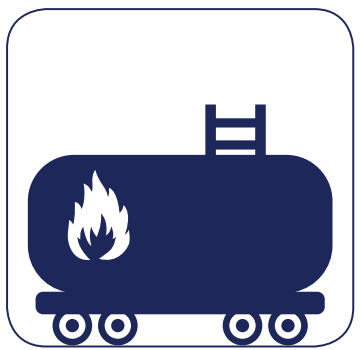
*Applications particularly well suited for use in conjunction with the NewElec range of electronic motor protection relays.*



*Mining*



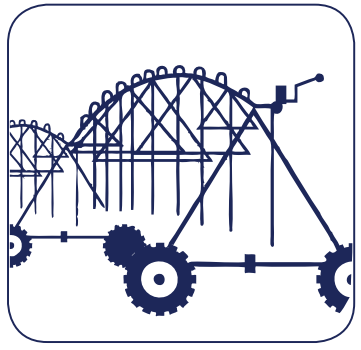
*Water Affairs*



*Petro Chemical*



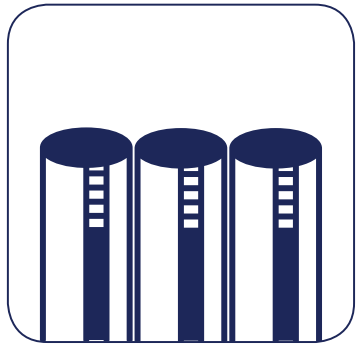
*Refineries*



*Agriculture*



*Material Handling*



*Mills*



*Cable Theft Detection*



*Pulp & Paper*



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