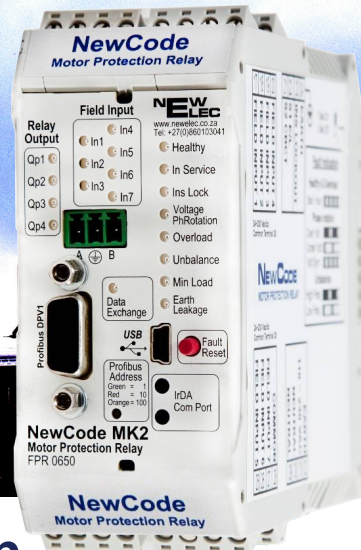


# Pump Protection and Cable Theft Detection



## Pumps and Fans motor protection

The NewCode and KD Relay's are comprehensive low voltage, electronic motor protection relay's encompassing new and unique features.

Designed specifically for pumps, fans, conveyors, compressors and crushers, NewElec relays boast with a wide range of user-selectable protection features, such as thermal overload protection, earth insulation lockout, voltage protection, earth leakage protection and short circuit.

Most importantly this Relay's can detect dry run in your bore-hole/tank or dams and can be pre-set to

automatically reset and start the pump again after a specified time or set level.

Additional to normal motor protection features, NewElec protection relays are capable of controlling pumps and motors based on:

- Water level, such as dams,
- Valve position,
- Temperature sensors,
- Time of the day,
- Moisture content of the soil

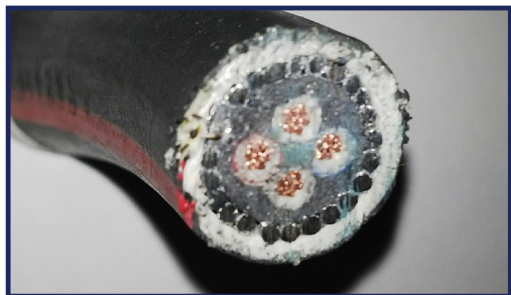
## Cable Theft detection, as Insulation protection

Cable theft has reached unprecedented levels in South Africa, forcing the law makers to declare copper a precious metal, and carrying a punishment of 15 years in jail. Stealing copper has not declined though.

NewElec Relays have the ability to detect cable theft, by detecting a change in the impedance of

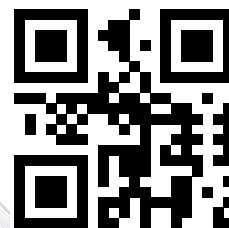
your cable going to the motor or pump. You will be alerted as tampering takes place.

For example, the unit can send you an SMS to your phone alerting you of cable theft, or light up an emergency alarm/siren. The alarm can then be reset by replying to the same SMS.



**NEW  
ELEC**  
MOTOR PROTECTION & CONTROL TECHNOLOGY

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# Pomp Beskerming en Kabeldiefstal Vasstelling

## Pomp en Waaier motor beskerming

Die NewCode en KD Relay is n omvattende lae spanning, elektroniese motor pomp beskermings Relays met omvattende nuwe en unieke einskappe.

Spesifiek ontwerp vir pompe, vervoerbande, brekers, kompressor en waaier motor-beskerming, hierdie Relays spog met n wye verskeidenheid van gebruikers-kies beskermings funksies, soos hitte oorlading beskerming, aarde isolasie uitsluiting, spanning beskerming, beskerming teen aardlek en kortsluiting.

Die belangrikste funksie van die Relay is dat leegloop vasgestel kan word in jou boorgat/ tenk of dam en kan vooraf ingestel word om outomaties te herstel en weer na n bepaalde tyd die pomp weer aan te skakel

NewElec beskermings Relays is in staat om die motor en pomp te beheer gebaseer op:

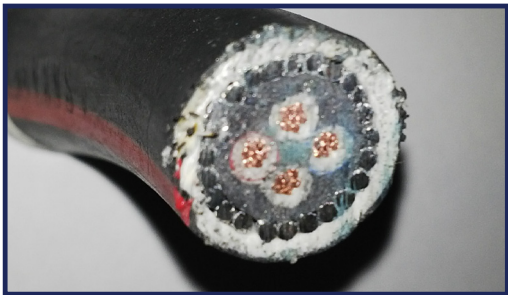
- Water vlak, soos damme,
- Klep posisie,
- Temperatuur sensors,
- Tyd van die dag,
- Voginhoud van die grond.

## Kabeldiefstal Vasstelling

Kabeldiefstal het ongekende vlakke bereik in Suid-Afrika, dit dwing die wet-makers om koper as n kosbare metaal te verklaar, en met n straf van 15 jaar in die tronk. Steel van koper het hoegenaamd nie afgeneem nie.

NewElec Relays het die vermoë om kabeldiefstal in

die daad vas te stel en raporteer, deur die opsporing van n verandering in die impedansie van jou kabel wat gaan na die motor of pomp. Jy word in kennis gestel via SMS op jou selfoon en/of die lig van n noodgeval alarm/sirene. Die alarm kan weer afgeskakel word via n SMS op dieselfde SMS



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