

# NEW ELEC

MOTOR PROTECTION & CONTROL TECHNOLOGY

## 330 Series Relay Ordering Information

### Standard Motor Protection Relay Kits



## About

The NewElec 330 Series Low Voltage Electronic Motor Protection Relay is designed to protect wound rotor motors used on winches or overhead cranes.

The motor duty class, starting class, cyclic duration factor, power and load current value are of fundamental importance and permit accurate full load protection and adjustment, along with an inverse thermal curve which caters for cyclic duration factor that offers both stator and rotor protection. This will allow the motor to be used to its full duty class and C.D.F., but still maintain accurate, repeatable protection on small or marginal loads. Maximum load threshold is adjustable between 30% to 100% of the C.T. primary current.

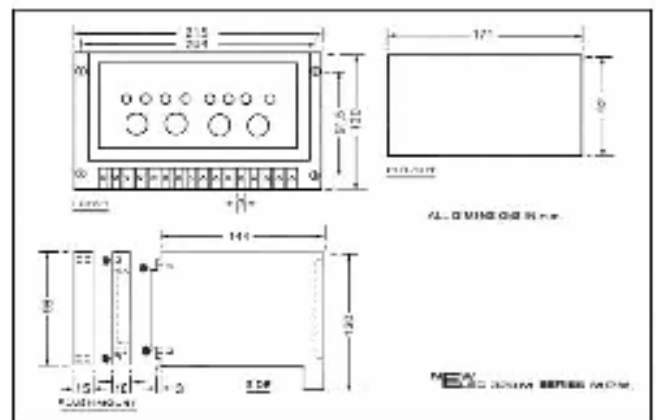
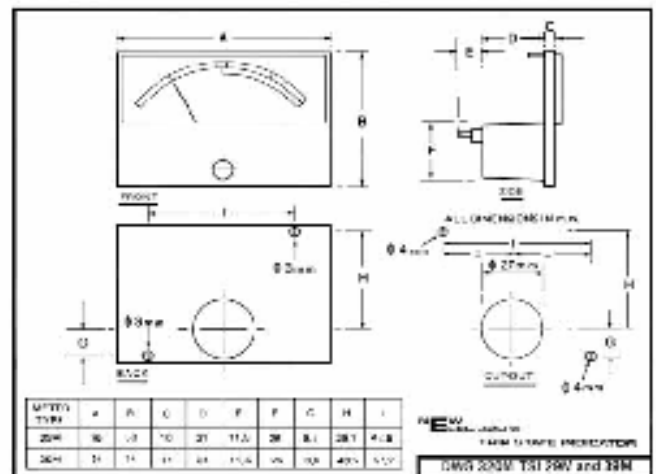
Latched trip LEDs indicate overload and unbalance detection and trip, with a separate trip and thermal lock-out period in process indication. Available for chassis or flush door mount, the relay has a test facility and may be fitted with a manual or auto reset facility. A thermal trip state indicator is also available as an extra option.

## Protection Features:

- Thermal Overload Protection
- Unbalanced Current Protection
- Single Phasing Protection
- Calculates True RMS Load Patterns
- Calculates Heating and Cooling Rates
- Full Thermal Memory



## 330 Series Relay Dimensions



**A South African Company to be Proud of**



Certificate Number : 8707QM5001



## Complete Motor Protection Solution to Suite :

### Current Transformers (per set of 3)



#### Standard Kit

Product Code	Description
FPR0097	330MC220 S4/150/40%

#### Ordering Details

Model	Mounting	Control Supply	Thermal Rating
330M	F : Flush	110 : 110V A.C. 5va	S3 : Intermittent periodic operation
	C : Chassis	220 : 220V A.C. 5va	S4 : As S3 but with starting
			S5 : As S3 but with electric breaking
Code		Cyclic Duration Factor	
150 : 150 Complete starts per hour		25 : 25 % C.D.F.	
300 : 300 Complete starts per hour		40 : 40% C.D.F.	
		60 : 60% C.D.F.	

**Example: 330M F 110 S4 / 150 / 40**

**Any Ratio Current Transformer to suite motor KW**

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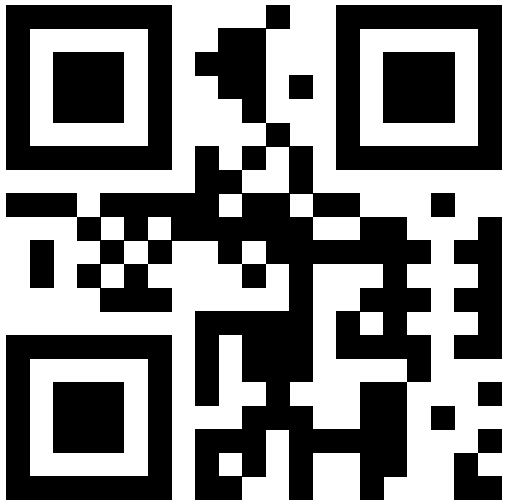
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