Products & Capabilities

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Single Phase Voltage Relays

Application:
Monitoring of low voltage in control circuits.

Benefits:
Provides alarm or terminates operation when voltages get too low (or too high).
Avoids damage or mis-operation of equipment.

SVM

Three Phase Voltage Relays

Application:
Monitors three phase voltages for voltage and sequence inconsistencies.

Benefits:
Monitors line voltages for:
Over Voltage
Under Voltage
Phase Loss (single phasing)
Incorrect Phase Rotation (motor rotates the wrong way)
Phase Imbalance (one phase too high or too low – unbalanced).
Avoids damage to three phase motors due to line voltage problems.

PVT

AC Current Sensing Relays

Application:
Monitoring of AC current to verify correct operation of the load.

Benefits:
Simple G0 No-Go relays to verify current draw (or lack of).
Over current sensing as in jams.
Undercurrent sensing as in broken belts of open circuits (heater burn-out).

CSRA

Pump Controls

Applications:
Simplex, duplex, triplex and quadplex pumping control components.
Monitoring of levels in tanks.

Benefits:
Control components to simplify pump control circuits.
Intrinsically safe relays for use with probes and switches in hazardous locations.
Multiple pump controls with alarms.

ISR

PDC

Transient Voltage Filters – Suppressors

Applications:
Voltage spike protection for 4-20mAmp or 0-10VDC circuits.
Absorbs transients generated by inductive loads, 1Ø and 3Ø up to 600VAC.

Benefits:
Allows sensing of analog signal while transients are clipped to avoid damage to sensing electronics.
Absorbs transients when inductive loads are disconnected to avoid damage or mis-operation of electronic controls.

RDS

Zero Speed Sensing Relays & DC Current Sensing Relays

Applications:
Monitoring of motors coasting to a stop.
Frequency sensing of rotation sensing devices (prox).
Monitoring of DC current levels.

Benefits:
Senses a stop motor condition (coasting) by monitoring
     1 phase of the motor.
Monitors the frequency of pulses from a sensor to determine over
     or under speed and supplies the low voltage for a prox.
Senses over or under DC current with very low impedence in
     the current line.

ZVM

ZV

Electronic Time Delay Relays

Application:
Provide various types of delays in the operation in control circuits.

Benefits:
Many functions are available:
     On Delay – Delays to turn on load after application of power.
     Off Delay – Turns on when signal is received, but delays turning off
          after signal is removed.
     "True" Off Delay – Turns On when power is applied and times out
          after power is removed.
     Interval On – Turns on immediately, times out and turns off.
     One Shot – Turns on when signal is received, times out and turns off.
     Cycle – Cycles between On and Off continuously while power is available.

CLRB

Relays, Sockets, Din Rail & Bungee Holddown

Application:
Electrical automation of remote or logic control circuits.

Benefits:
Relays – Provide multiple and isolated circuits with electrical activation:
     Idec and R-K's own quality brand.
Sockets – Used for easy replacement of relays and timers:
     Idec and R-K's own quality brand.
Din Rail – Metal channel reduces labor in assembly of din rail mounted
     devices (ie: sockets).
Bungee Holddown – Elastic holddown fits various sized products that
     plug into sockets.

RG

SG

Embedded Processor Based Controllers

Application:
Consolidation of electrical and electronic automation components
     into one design to meet each customer's unique needs.

Benefits:
50% or greater reduction in sub panel area requirements.
80% decrease in assembly & labor time.
20% improvement in features and benefits.
$0 cost change from component based control.
100% your own control.