

FIRM CONTROLS FOR YOUR PROCESS



Control & Instrumentation Solutions for Woven Sack Industries



adroit
Engineering & Beyond
Committed for Excellence

www.adroitcontrol.com



PEPPERL + FUCHS



GEFRAN



YASKAWA



RISHABH

crydomTM



MEAN WELL



Dynamic
Motors



ELSTEIN

TEMPERATURE SENSORS

Mineral Cable/Base Metal/Noble Metal Thermocouples
 RTD : Pt-1000
 Thermistors: NTC/ PTC
 Thermowell Assemblies
 Thermocouple and extension wires
 Quick Disconnect Plug & Jacks.



- ❖ Plastic industry thermocouples, RTDs & adaptors in standard fitting of various machinery manufacturers are generally available ex-stock.
- ❖ Assemblies can be made as per your drawing in different sheath material and sizes.

INDUCTIVE / CAPACITIVE PROXIMITY SENSORS

AC & DC type.
 Short & Long, Plastic, Metal or Stainless Housing
 Cylindrical and Rectangular Flat pack housing.
 Cable & Plug version.



PHOTOELECTRIC SENSORS

Retro reflective with or w/o polarising filters
 Diffuse reflective or through beam sensors
 Cylindrical and rectangular housing.
 Colour mark sensors & safety guards



SAFETY LIGHT CURTAIN

For Fingure & Hand Protection
 Resolution upto 14mm
 Protection Height upto 3mtrs.
 Type -II, Type IV



ENCODERS

Wide Selection of PPRs
 Absollite/Sncremental
 Upto Six channels



DISPLACEMENT TRANSDUCERS

Contact / Contactless
 Stroke length upto 2000 mm
 Rod / Rodless



PRESSURE TRANSDUCERS

Max. Pressure - 5000 bar
 Current/Voltage Output
 Acc. 0.25%, 0.5%, 1%
 Flush/Nonflush diaphragms



MELT PRESSURE TRANSDUCERS

Max. Pressure - 2000 bar
 Max. Temp. -400cC
 Fixed / flexible stems
 With & without thermocouples
 Current/Voltage Output



LOAD CELLS

Tension / compression
 Shear beam / S-Type
 1 kg-100 K.Ton
 Acc. 0.1, 0.25%
 Protection IP 65/67



PID PROCESS CONTROLLERS

Features : Fuzzy logic/ Auto Tuning/ universal supply (85-264V AC)
 Input : Selectable universal thermocouple/RTD/Analog
 Output : Selectable Relay/SSR/ Analog.
 Options : Retransmission/2nd output/ Trans. Supply/remote SV
 Size : 48x48 / 48x96 / 72x72 / 96x48 / 96x96



TEMPERATURE INDICATORS/CONTROLLERS

Type : ON-OFF / Proportional Blind / Digital / Noncontact
 Potentiometric / Thumbwheel, Portable / Panel Mounting Single / Double set point.
 Input : Thermocouple / RTD
 Output : Relay/SSR
 Sizes : 48x48 / 48x96 / 72x72 / 96x96



- ❖ Various options are available to suit your economy.



ANALOG / DIGITAL TIMERS

On & Off Delay / Cyclic / Sequential/LCD/LED Displays/Din Rail / Panel Mounting/Single / Multi range

DIGITAL COUNTERS

Reset / Preset / Batch/LCD / LED Displays/Contact / Non-Contact

SYNCHRONOUS TIMER

Single /Multi range

DIGITAL PANEL METERS

Configurable Indicators-Alarm Units/AC Current/Voltage/force/frequency / pressure/ strain gauge/ potentiometer

SOLID STATE RELAY

Solid State Relays: became standard in modern machines and new installations due to their high switching frequency, electronic bounce free and arcless switching as well as for superior lifetime. Applications tuned for speed (machine through put) or for process accuracy and for a minimum down time require Solid State Relays as interface to motor, heaters, lamps, valves and solenoids.

Ratings upto 110 Amp, 1 phase or 3phase/AC/DC Type for PCB / DIN rail mounting/With or without integrated heat sink /Noise free switching



SCR / THYRISTOR REGULATORS

The benefit of using thyristor control for simple heating systems are better temperature control, increased heating element life and simplified, reduced maintenance. For fast acting heating loads, inductive loads, thyristors are essential for good control. Thyristors are most silent in operation, so the working environment is improved too.

Phase angle firing with soft start. Configurable and isolated analog input. Heater brake option. Monitoring signals for current and voltage. Single / three phase upto 300 A or higher. 0 -100% variable voltage basis



AC VARIABLE FREQUENCY DRIVES /DIGITAL / ANALOG DC DRIVES /AC SERVO DRIVE/SOFT STARTER

State-of-art drives with world class technology, features and capabilities allows us to offer creative and cost effective drive solution for major industrial applications.



INFRARED HEATERS



Infrared radiant energy is transported throughout space by electro magnetic waves without the need of a conductive media. Consequently heat can be delivered in concentrated areas at very fast rates. IR heaters provide solutions where conventional heat sources are not practical

Application: Thermo / Vacuum forming of Plastic sheets
Vulcanization of rubber sheets
Laminating & Plastic welding
Preheating of pet preforms / fiber reinforced plastics
Shrink packaging
Drying/curing of paints power coating

CENTRIFUGAL BLOWERS

Built in outer Rotor Induction Motor
Compact Size and Low weight
Dynamically Balanced Rotor-Impeller
Assembly Sealed Ball Bearings
2 / 4 pole, 1 ph/3 ph versions
Single / Double suction blower



SWITCH MODE POWER SUPPLIES DC-DC CONVERTERS

Input : Universal AC, 90-260V AC
Approvals : ULJTUV/CE
Protections : Short ckt, over load/voltage/temp.
Rating : 15W-2400W, 5/12/15/24 V DC
Output : Single/Dual/Triple/Quad

HANDIES FOR DIAGNOSTICS & TROUBLESHOOTING / PREDICTIVE MAINTENANCE

Lab Power Supply
Multimeters
Portable Digital
Thermometers & Probes
Noncontact Tachometers
Portable Calibrator
Portable Infrared Thermometers



SERVICES

Repairing of other make/brands is also feasible
Sales is back with repairs of various control instruments & electronic cards on component level
Calibration service traceable to national standards.



CUSTOMER CARE

Quick breakdown service support
Spares
Preventive maintenance contract
Retrofits solution

COMPANY INFORMATION

Established in 1994, as a partnership firm, Adroit had no capital but a passion to spread their wings in the electrical/control automation field. The core of our business is dedicated to marketing manufacturing of electrical & automation control products/ systems. Our team is dedicated to provide the best solution when & where the customers need them most

Owing to continuous quality upgradation, assured after sales service & on the time delivery track record, the company has its 80% business share contributed by repeated orders. Adroit is being appreciated by Industry leaders because we take time to listen. Through dialogue, we can determine how our expertise can best serve our customers. Whether the result is simple product supply, product development, system design, after sales service or other technical support. Most of the leading industrial houses like Subros,Paradise,Supreme,Machino plastic,Bisleri,Imperial, Gates,Pearl,Action Shoe,Libearty,Dabur, Emami, TATA, JBM, Schneider, Siemens, Woodward, ISGEC etc. entrusted us

Adroit commitment towards the finest quality and developing competence to international standards, has yielded its name in international market through export to Europe, America, Bangladesh, Sri Lanka, Dubai, Nigeria & Egypt etc.



OUR CO-STRENGTH

Our manufactured products range from fully intelligent, engineered & custom tailored, LT switch board, over control panel to terminal boxes & marshalling cubicals.



CONTROL PANELS

PLC Control Panel
DC/AC Drive panel
Instrumentation Panel
Relay Logic Panels.
Operator Consoles
Relay Logic Panels.
Control Desk /Post
Mimic/Annunciator Panel



LT SWITCH BOARD

Power Distribution Boards upto 6400A.
Motor Control Centers upto 6400A.
APFC Control Panel.
DG AMF & Synchronizing Panels
Bus Bar Ducts & Trunks
Metering & protection Panels
Lighting Feeder Pillars-Indoor/Outdoor



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