



RISING EDGE

CONTROL & AUTOMATION PEOPLE

PRODUCT PROFILE

AUTHORISED SYSTEM HOUSE
OF DELTA ELECTRONICS



PLC
HMI
VFD
SERVO
SCADA
SENSOR
ENCODER
SMPS
LT PANEL
GEAR MOTOR

OUR HEAD OFFICE

4299, Baguipara Road, Sonarpur,
Kolkata – 700147

Near Chanditala More

Email : sales@rising-edge.in /
support@rising-edge.in

OUR SHOWROOM

Keshoejee Chambers : 3A, Pollock Street,
Kolkata-700001

Email : sales@rising-edge.in

OUR TRAINING INSTITUTION

Baikunthapur More,
Beside of Khana Khazana Resturant,
Sonarpur, Kolkata – 700150

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Contact us

7003881742 / 8482014915, Website - www.rising-edge.in



INDUSTRIAL CONTROL PANEL

Types of Panel

Design & Build as per customer requirement
 Automation control panel with system integration of PLC, HMI, VFD, AC Servo
 Instrumentation panel
 Starter Panels DOL/STAR-DELTA/ATS
 Automation Panel for Pressure Boosting Application
 Power distribution panel, PCC, MCC, APFC
 Bus Duct Panel Feeder Panel Synchronizing Panel
 Design with proper cooling arrangement
 High quality switch gears & automation components
 MS/SS/ABS plastic enclosure with different industrial IP ratings IP44, IP55, Ip65

Key Strengths

Complete Industrial Solution	High Quality & Reliability
Excellent workmanship	Aesthetic & Ergonomic Design
Innovative concepts	Skill Engineering
High Product Value	Customer Satisfaction



VARIABLE FREQUENCY AC (VFD)

Micro Drive : 40W to 400W IPh/230V: 0.05 HP to 3 HP 3Ph/415V:0.5HPto600HP
 V/F, Sensorless Vector, Flux Vector, Torque Control Modes
 FOC Control Mode for IM & PM motor
 Supports various network protocols
 Built in EMI filter &PID Feedback Control
 Inbuilt PLC Function*
 Auto Energy Saving Function
 Wide range of models to fit different industries
 Special Drive for Elevator, Elevator Door, Tread mill, Textile Crane, CMC Spindle,
 Fan & Pump Application



PLC

PLC supports 256 DI/DO / 512 DI/DO /1024 DI/DO
 Supports Modbus ASCII/RTU : RS232/RS485 & Modbus TCP/IP / Ethernet I/P : Ethernet
 Support 200KHz HSC & 200KHz : PTO
 RTC, Floating instruction & PID auto tuning function
 Special Module of Analog, Temperature, Position, Communication port, BAC net, Load
 cell & Remote 10 modules (Devicenet and Ethernet)
 Pulse type motion controller (2/3 axes) & CANOpen/EttierCAT motion controller module



MODULARIZED MID RANGE PLC FOR PROCESS INDUSTRIES

Highly integrated software ISPSOft: 5 languages (IEC-61131-3)
 Enhanced flexibility : Max. 100m between 2 local extension racks
 Improved maintainability: Hot-swapping function keeps the system running
 Utilizes dual-core multi-tasking processor Execution Speed:0.3ms/lk step
 Max DIG : 4,352 points, AIO : 544 & RIO : Max. 125, 440 DIG / 3,920 AID
 CPU built-in with fully isolated RS-232/422/485, Mini-USB, Ethernet, SD Card 1.0
 AIO modules, DID modules, Temperature modules, Network modules, Pulse-train,
 DMCNET/EtherCAT motion control modules, Devicenet & Ethernet based RIO modules
 CPU, Backplane, Powersupply, Communication Redundancy supported

HMI

Text Panel with 2/4/8 line with max.24 Function keys
 Touch screen available in 4.3", 5.7", 7", 10.1" 12" & 15" with TFT LED display
 High resolution with 65536 color
 3-communication port (RS232/RS485/RS422) & Ethernet port
 Non editable history file & PDF writer
 Support USB Client for High speed download/upload
 Support USB Host for USB flash drive, Printer, Mouse and Barcode reader
 VNC viewer software (PC + Android application) for remote communication
 E-Server software for Data logging application
 Supports Operation Log Viewer/user level password setting
 Ethernet Model supports FTP & Alarm Email Function (SSL security)
 Supports Text Panel with Inbuilt PLC



AC SERVO SYSTEM (DELTA + PANASONIC)

Rated Output: 10W to 22.0 kW
 Rated Torque : 0.032 Nm to 140.0 Nm
 23-bit Absolute / Incremental Encoder
 Position / Internal Position / Speed and Torque Control Modes
 3.2KHz Velocity Response Frequency
 Maximum 6500 RPM
 SMpps Exclusive Interface for Line driver Pulses
 Fit gain tuning function
 Full Close control with linear scale or external encoder
 Quadrant projection suppression function
 With / Without Holding Brake
 Built-in Electronic cam (E-CAM) function
 Modbus, EtherCAT, R-TEX Communication



TEMPERATURE CONTROLLER

PID, ON/OFF, Manual & P1D Program control modes (Ramp/Soak)
 Universal Input Relay / Voltage pulse / Linear Voltage & Current Output
 Various Panel size LCD & 7 segment display option
 Dual Loop Output Control (Heating/Cooling Control)
 Auto tuning function
 Blind Temp. Controller with dualO/P
 Special module for Valve Control
 Retransmission Output
 Parameters down load via PC software
 RS-485 MODBUS communication Password Protection & Key lock function



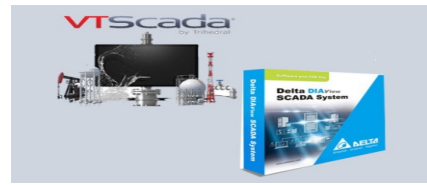
COUNTER / TIMER / TACHOMETER

3 IN 1
 Mixed Timer + Counter Function
 Decimal Point setup available
 6 digit LCD display
 Max.speed of the counter: 10 kbps
 DIP switch for quick setup change
 "Reset" & "Lock" key available for convenient use
 12V power supply for internal & external sensor
 NPN & PNP input signal available Relay & Transistor based output
 Pre-scale function displays input concrete function
 Optional RS485 communication



DELTA SCADA

Client view support for mobiles PC
 Open real-time data connectivity : OPC, Modbus, BACnet, DDE Server
 Open offline data connectivity : SQL Server, Oracle, MySQL, MS Access Database
 Redundant SCADA & Communication Ports
 Google Maps and GPS Location Tracking Support Customize Report
 Remote access to alarms, Data and E-mail alarms, SMS alarm notification
 Support LonWorks LNS and BACnet IP
 Ample Driver Support - Web Access support hundreds of devices
 Multi-touch gesture support Web-enabled video and audio integration
 Special Tools for Scheduler and EMS System



IPC (Advantech)

Embedded Industrial Touch Panel PC (TPC), Automation Panel PC(PPC),
 Rack mount chassis PC which can be used for widerange of industrial application
 Slim and compact 6 cm depth fanless design, Easy for space limited installation
 Varieties of Sizes available: 5.7",6.5",10",12",15",17",18.5" & 21.5"
 Varieties of Motherboard : SBC, Mini-ITX / Mirco ATX, ATX
 Varieties of Intel processors: Intel Atom, Dual core, Core2 Duo,
 Core2 Quad, Intel core i3,i5,i7, Celeron mobile
 Variety of OS support including : WES7, WinXP/XPe, WinCE and Linux
 Extremely rugged design with die-casting bezel & Aluminium housing
 Wide temperature range -20deg ~ 60deg for harsh environment
 Front panel: NEMA4, IP65 certified & 2KV Isolation protection

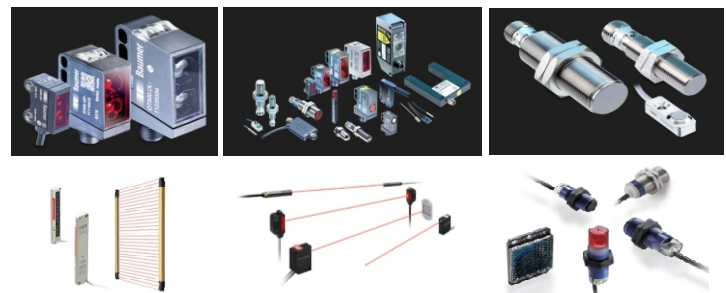
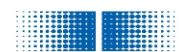


SENSORS (Panasonic & Baumer)

Photoelectric Sensor
 Micro Photoelectric Sensors
 Digital Color Mark Sensor
 Inductive Proximity Sensors
 Digital Laser Sensor
 Digital Fiber Sensor
 Area Sensor

Static Control Device (Static Remover/Ionizer)
 Safety Light Curtain
 Laser Scanner
 Digital Pressure Sensor
 Digital Flow Sensor
 Measurement Sensors

Particular Use Sensor
 Ultrasonic Sensor
 Capacitive Proximity Sensor



I MARK SENSOR

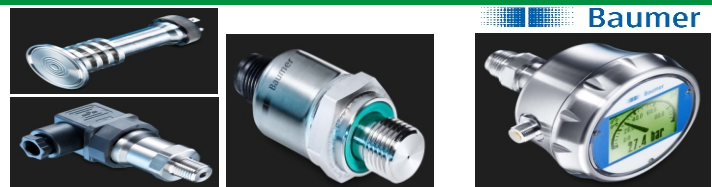
Excellent image quality and high frame rates, a camera design which enables rapid and flexible integration
 Wide variety of cameras in color and monochrome versions as well as resolution ranging from VGA to 25 megapixel
 The cameras are based on innovative technologies such as CCD & CMOS and include all relevant standard interfaces
 (GigE Vision @, USB3 Vision TM and Camera Link @)



FOOD GRADE SENSOR

Robust Stainless Steel Housing
 Fully welded and compact design
 Universal Output Signal 0 - 10V or 4 - 20mA & HART
 PNPTreshold switching output
 High temperature resistance for SIP and CIP processes
 Flush Diaphragms and Non Flush Design
 Optional Display Facility

Wide Pressure Range from -1 to 1000 Bar
 Excellent Price / Performance Ratio
 Support Media temperature upto 150 °C
 3A, FDA, EHEDG, ATEX, Approvals



LEVEL SENSOR

Safe Detection of Liquid, Bulk Solid, Powder, Sticky Media
 Capable of differentiate between Foam & liquid, Oil & Water
 Alternative of vibrating forks type level sensors
 Compact Stainless steel housing, Hygienic Design
 Support Upto Max. Process Temperature -40- 200 °C
 Level Measurement of Conductive material
 Output Signal: 4- 20mA, PNP/NPN, NO/ NC
 Configurable Measuring Range
 Food Compatible, Hygienic Design
 Available with 20Cm to 300Cm sensing rod length
 Wetted parts in acid-proof, stainless steel and PEEK material
 Variety of Process Mounting Connections
 3A approved/FDA and EHEDG compliant

Baumer



POSITION TRANSDUCER (Gefran)

LT Series, PKM Series
 ITS Series Stroke 75-900mm
 PKM Series Stroke 100-1500mm
 High resolution output signal
 Easy installation and simple connection

GEFRAN



PT - PRESSURE TRNSDUCER (Gefran)

0-200 Bar& 0-600 Bar
 040V analog output
 Supply voltage : 24V DC - 3 wire

GEFRAN



INDUSTRIAL COMMUNICATION (Delta & Advantech)

WLAN DEVICE SERVERS
 1/2-port RS232/422/485 to 802.11b/g/n WLAN Serial Device Servers modules
 1/2-port RS-232/422/485 to GPRS IP Gateways modules
 Dual SIM slots for connection redundancy

DELTA

ADVANTECH

SERIAL DEVICE SERVER/MODBUS GATEWAY
 I-port/2-port/4-port RS-232/422/485 Serial Device Server
 2 x 10/100 Mbps Ethernet ports for LAN redundancy



INDUSTRIAL ETHERNET SWITCHES

Max.16 High speed port Ethernet managed/unmanaged switches
 Redundant Dual 12 ~ 48 VDC power input and 1 relay output
 Class-1 Div-2 certified 8. IPv6 support

SWITCHING POWER SUPPLY (Delta & Lubi)

Fully Automated Production Line
 Single Output: 5V, 12V , 24V, 48V, Dual & Multi Output Series Available
 Panel & Din-rail mount Series available
 Overload & Short circuit protection
 100% full load Burn-in test
 High Efficiency
 Low Ripple & Noise
 High Quality & Reliability
 All Models available Ex-stock

DELTA



INTERFACING MODULE (RELAY CARD) Trinity Touch

Relay Module with 8/4 miniature relays
 With Base (Relay-Pluggable)
 Coil Voltage 24VDC
 Jumpers are provided for selection
 between positive looping/negative looping
 Mounting DIN 35 carrier rail

TRINITY TOUCH



Gear Motor / Gear Box (Lubi)

Medium Gear Motor: 100W-7500W
 Micro Gear Motor: 6W-250W
 R-F-K-S Series Gear Motor :0.12KW~11KW
 Spur & Planetary Gearbox for Servo
 Brake Available
 High Durability
 High Efficiency
 High Speed Ratio

Lubi



MOXA

Ethernet Switch
 Serial Device Server
 USB to Serial Converter
 Protocol Gateway
 Multiport Serial Board

MOXA

