

PRODUCT CATALOG



PRODUCT CATALOGUE



www.nipponindia.com



PRODUCT RANGE

- **SMPS - 5W TO 1000W**
SINGLE / DUAL / TRIPLE / QUAD OUTPUT
- **DC-DC CONVERTER 0.5 W TO 1000W**
- **DC-AC CONVERTER 150 W TO 3000W**
- **AC-DC ADOPTERS**
- **MEDICAL GRADE - SMPS / ADOPTER**
- **PID CONTROLLERS**
- **TEMPERATURE SCANNERS**
- **SINGLE / DUAL BARGRAPH**
- **PID CONTROLLER**
- **PID MULTI - PROFILE CONTROLLER**
- **ENERGY ANALYSERS / MONITORS /**
AUDIT SYSTEM
- **HUMIDITY + TEMP. CONTROLLER**
- **DATA LOGGERS**
- **PLC / SMART RELAY**
- **PROGRAMMABLE PROCESS INDICATORS**
- **4 PID CONTROLLER IN 1**
- **DUAL SET POINT PID CONTROLLER**
WITH TIMER FOR COMPRESSOR UTILITY
- **VOLTAGE / CURRENT / PHASE**
MONITORING RELAY
- **TIMER RELAYS**
- **TRANSFORMER SOFT-START**
- **MOTOR SOFT-STARTERS**
- **PUMP ALTERNATING RELAYS**
- **HEATER CONTROLLER RELAYS**
- **SSR - ZERO CROSS / INSTANT ON**
- **ANALOGUE CONTROL INPUT RELAY**
- **ANALOGUE OUTPUT HALL EFFECT CT.**
- **ALARM ANNUNCIATORS**
- **ISOLATION AMPLIFIER / SIGNAL**
CONVERTERS
- **ROTARY ENCODERS**
- **RS 485/RS 422~RS232 ISOLATED**
CONVERTERS
- **SMART SENSORS : HUMIDITY / TEMP /**
THERMOPILE
- **UNIVERSAL TRANSDUCER INTERFACE IC.**
- **STEPPER MOTOR & CONTROLLER**
- **PROXIMITY SENSOR - INDUCTIVE**
CAPACITIVE / PHOTO - DEFUSED
REFLECTIVE, THROUGH BEAM,
FIBER OPTICS, MICRO, ULTRASONIC
- **OPTICAL SAFETY BARRIERS**
- **DIGITAL TIMERS / COUNTERS**

NC Series Digital PID Controller

NIPPON

Features

PID auto tuning
Two Fuzzy PID controller processors, with two individual outputs.
Multi range input (TC, RTD, mV), each 14 BIT resolution.
Relay Output, SSR driver, 4~20mA changeable by a module.
Three- point alarm, with 19 alarm modes.
Non - volatile memory.
Self - diagnosis Function.
Auto Zero and Auto Span circuit keep good accuracy.
Free range voltage from AC 85V~265V or DC 15 ~50V.
Data lock function.
2 patterns each 8 segments programming procedure to be ordered.
Input 2 can be used in Remote SV.
Optional transmitter output.
With output percentage control, if sensor broken controller automatically convert to manual operation to be controlled by heating power with output percentage.
Standard type with 1 ramp and 1 sock available.
RS 232 or RS 485 Modbus -RTU, Modbus -ASCII and ASCII is available for remote monitoring.

ELECTRIC CHARACTER

Working voltage : AC85~265V, DC 15 ~ 50V
Power consumption : 2VA
Isolated resistance : 20M \uparrow
Dielectricity strenght : AC 2000V 50/60Hz 1min.
Sampling time : 250m sec
Accuracy : + 0.2% of full range +1 digit

MECHANICAL CHARACTER

working temperature : 10~+500C
Storage temperature : 10~+700C
Working humidity : 50~+ 85%RH

Specification

INPUT (MAIN)

T/C (Thermocouple) : K,J, R, S, B, E, N, T, W, PLII, U, L, selectable.
RTD(Resistive temperature detectore) : PT100(JIS), PT50(JIS), PT100(DIN)selectable.

DCV :- 10~10mV, 0~10mV, 0~20mV, 0~50mV, 0~1V, 0~5V
0~10V selectable.

DC mA : 0~20mA, 4~20mA Selectable or others to be ordered.

INPUT (SUB)

Remote Set : 4~20mA, 0~10V to be ordered.

OUTPUT

Realy output : SPST, SPDT 5A/240 VAC.

SSR drive : 20mA/20VDC

Current proportioning output : 4~20mA adjustable
(Load max 800 Ω)

3 wire system motor valve control 10A/240VAC

Alarm : SPST 5A/ 240VAC For MC - 2438, 2738

SPDT 5A/240VAC for other models

CONTROL MODE

ON/OFF : sensitivity adjustable

P(proportional): 0~ 200% adjustable

I (Integral): 0~3600 sec adjustable

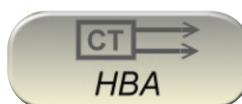
D (Derivative): 0~ 900 sec. adjustable

Fuzzy : 49 status considered

Proportioning cycle time : 0 ~ 150sec adjustable

(mA = 0, SSR = 1, RY>=10)

Heater Break Alarm.





EC SERIES

Auto Tune PID Controller NEW RELEASE



EC-48



EC-72



EC-49



EC-96

EC Series Controller are Microprocessor based controllers.

Which have been designed with high accuracy input,
various output option with good reliability and repeatability.

EC Series used PID Algorithm to implement excellent control
for wide range of Application like Temperature, Humidity, Pressure,
Flow & PH as well other Process Controls. EC series 'AT' Auto tuning
function can calculate the optimized PID value for your control system to avoid
manual setting in different process conditions.

FEATURES :

- ✓ **UNIVERSAL INPUT SENSOR**
(J, K, R, S, T, B, E, PT-100, 0~20mA, 4~20mA, 0~10V DC)
- ✓ Main Control O/P : Relay, SSR, 4~ 20mA DC
- ✓ Alarm : Relay (3A)
- ✓ Display : 4 Digit PV / 4 Digit SV
- ✓ Visual Led Indication : Control O/P, Alarm, Auto Tune.

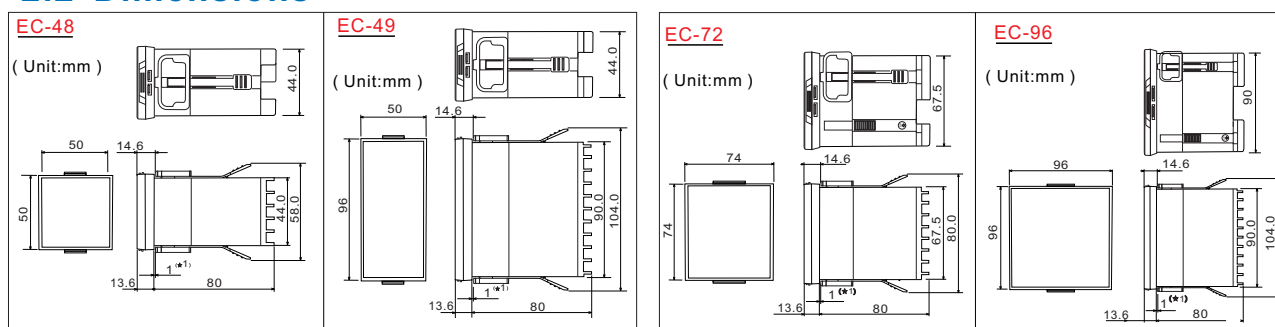


ORDERING INFORMATION

MODEL	OUTPUT 1	OUTPUT 2	ALARM	POWER
EC SERIES	1	0	1	A
EC - 48	0 NONE	0 NONE	0 NONE	A AC 89~264V
EC - 49	1 RELAY		1 1SET	D DC 24V
EC - 72	2 SSR DRIVE		2 2SET	
EC - 96	3 4~20mA DC			

DISPLAY SIZE :	EC-48	EC-49	EC-72	EC-96
PV :	0.3"	0.3"	0.56"	0.8"
SV :	0.3"	0.3"	0.39"	0.56"

2.2 Dimensions



	A	B	C	D	E
EC - 48	48	48	10.5	83	45
EC - 49	48	96	10.5	83	90.5
EC - 72	72	72	10.5	83	67.5
EC - 96	96	96	10.5	83	90.5

	A	B	C	D
EC - 48	46 ^{+0.5} ₋₀	46 ^{+0.5} ₋₀	70	70
EC - 49	46 ^{+0.5} ₋₀	91 ^{+0.5} ₋₀	120	70
EC - 72	68	68	100	100
EC - 96	91	91	120	120



EN 6000B Series

Micro-processor
Based Hi-tech

Process Controllers
& Process Scanners





SCANNER

Micro-Processor based XMD 5000 Series

Process parameter Scanner is available in 8/16/24/32 channel, sensor input available universal T/C type or RTD or Analog signal (0-5V / 1-5V / 0-10 mA

/ 4-20 mA or Resistance Potentiometer) or mixed input sensors, individual channel input and high / low alarm is programmable from front key.

Size 80 x 160 x 80 or 160x80x80mm or 96 x 96 x 120 (HxWxD)

MAIN FEATURES :

AUTO ZERO CALIBRATION FUNCTION.

EEPROM FOR STORING OF PROGRAMMED PARAMETERS.

AVAILABLE IN 90~ 270 VAC or 24 VDC Supply.

Isolated Communication Port for RS 232 or RS 485

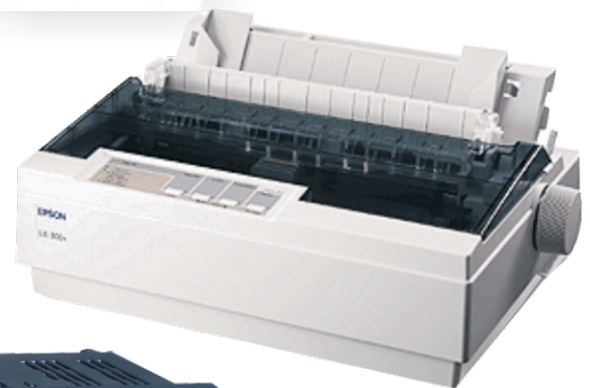
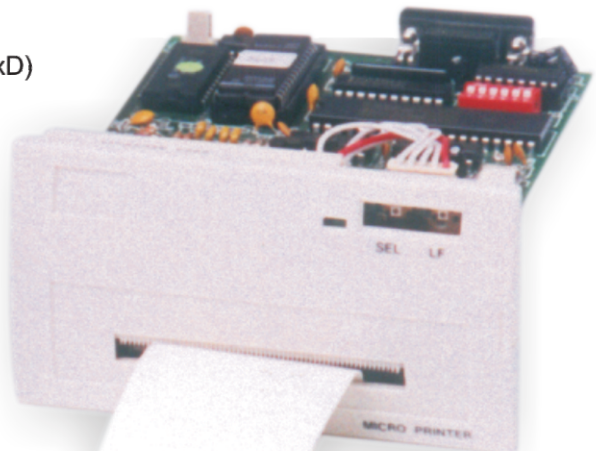
Isolated Communication Port RS 232 for Printer

Isolated Communication Port RS 485 for individual Control Relay Box.

Isolated Modem Port

Individual Relay Box of 16 Relay (High or Low) with RS 485

Individual Alarm Indication LED (8, 24 & 32 Channel)



NI-8 8 CHANNEL DATA LOGGER



Micro-processor based Data logger work with upto 8 Nos. of Nippon PID controller using MODBUS RTU protocol as control room monitor using 2 line 16 Character back-lit LCD with scanning facility to display PV/SV reading & store Data with RTC, 8 such unit can be connected to have upto 64 channel Data gathering.

Unit can store 1600 Data for computer download + 1600 data for Direct printout on 80 column Dot Matrix printer per channel, Header - Footer / logging time / set-point of PID is programmable through computer.

Front Panel have LED indication for communication, Status, Printer memory full, Computer memory full.

Programming of Paper length / Nos. of Line, Nos. of unit connected can be done from front panel key switches

Unit is available with software / Power supply & printer cable as a standard Accessories.

THYRISTOR POWER REGULATOR & HEATER CONTROLLER



Available in 1 phase & 3 phase PWM or zero cross.
Type from 25A to 630A per phase for 3 phase, 10 Amps to 630A for single phase, compact design with Fan, fuse error o/p for 3 phase.

High accuracy & fast response using PWM will save energy as well increase life of heater (Load)/ Also available for Inductive & transformer Load.

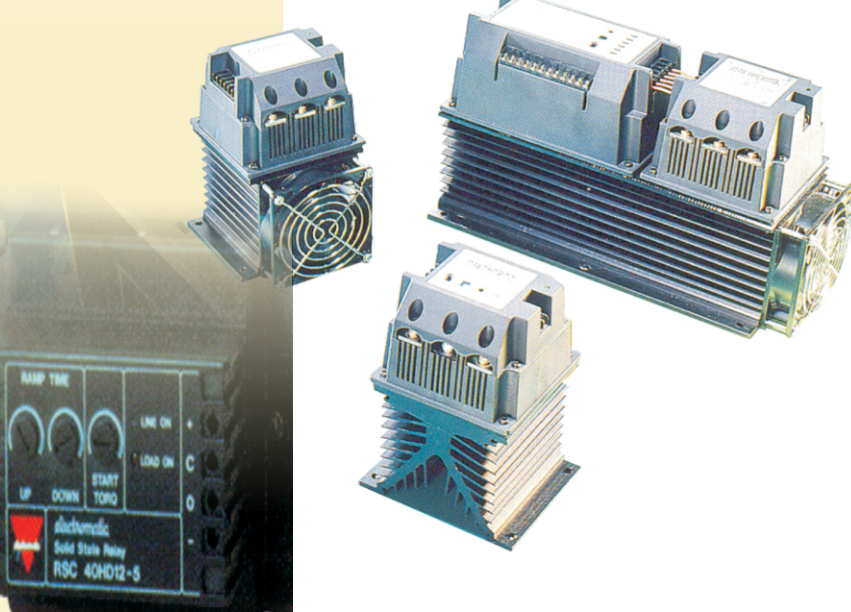
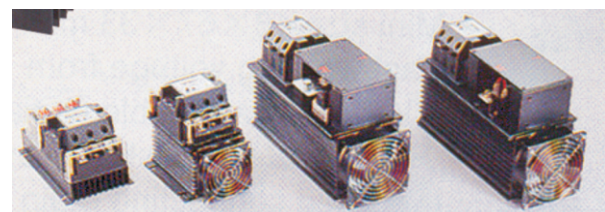
CONTROL MODE \ OUTPUT	OUTPUT WAVE		
	10% OUTPUT	50% OUTPUT	90% OUTPUT
PHASE ANGLE CONTROL			
ZERO CROSSING CONTROL			

- **Phase angle control** : continuous phase angle control, steady output, current gauge reading remains steady. But, every half wave will produce harmonic wave.

Applicable loading: fixed resistance loading, variable resistance loading, inductive loading, IR light bulb.

- **Zero crossing control:** distributed zero crossing control, minimum resolution 1 Hz, no harmonic wave, and current gauge reading oscillates.

Applicable loading: fixed resistance loading





UNIVERSAL PROCESS INDICATOR SCALING METER ENGINEERING UNIT

MODEL : EU-08 RTP



Microprocessor Based Engineering Unit with Hi & Lo Alarm setpoint with Relay O/P & Process Value (PV) Re-transmission 4~20 mA DC with 24V DC Transmitter Supply, All input & Range Programmable from Front Panel Switches.

Input Sensor : T/C - Type : J/K/R/S/T/E
RTD - Type : PT-100/CU-53
Analogue : 0~10V DC / 4~20mADC
(Scalable -1999 to 9999 with selectable D.P.)
Display : 0.8" Height, 4 Digit
Mains : 180~ 264 VAC, 50 Hz.
Dimensions : 48 mm (H) x 96 mm (W) x 78 mm (D)

MODEL : EU-08 RTP-DV



Microprocessor Based Engineering Unit with Hi & Lo Alarm setpoint with Relay O/P & Process Value (PV) Re-transmission. 4~20mA DC with 24V DC Transmitter Supply, All inputs & Range Selectable from Front Panel Switches.

Input Sensor : T/C Type : J/K/R/S/T/E
RTD Type : PT-100/CU-53
Analogue : 0~ 10V DC / 4~ 20mADC
(Scalable - 1999 to 9999 with selectable D.P.)
Display : 0.8" Height, 4 Digit
Mains : 24 V DC
Dimensions : 48 mm (H) x 96 mm (W) x 78 mm (D)

MODEL : EU-08 TP-RS 485



Microprocessor Based Engineering Unit with 24V DC Transmitter Supply, with Hi & Lo Alarm setpoint with Relay out-put with Rs.485 Modbus RTU Communication, All inputs & Range Programmable from Front Panel Switches.

Input Sensor : T/C Type : J/K/R/S/T/E
RTD Type : PT-100/CU-53
Analogue : 0~10V DC / 4~ 20mADC
(Scalable - 1999 to 9999 with selectable D.P.)
Display : 0.5" Height, 4 Digit
Mains : 180~ 264 VAC, 50 Hz.
Dimensions : 48 mm (H) x 96 mm (W) x 78 mm (D)

MODEL : EU-08 P RS 485



Microprocessor Based Engineering Unit with RS485 modbus RTU Communication & 24V DC Transmitter Supply, All inputs & Range Programmable from Front Panel Switches.

Input Sensor : T/C Type : J/K/R/S/T/E
RTD Type : PT-100/CU-53
Analogue : 0~ 10V DC / 4~ 20mADC
(Scalable - 1999 to 9999 with selectable D.P.)
Display : 0.8" Height, 4 Digit
Mains : 180~ 264 VAC, 50 Hz.
Dimensions : 48 mm (H) x 96 mm (W) x 78 mm (D)



MODEL : 96EU-08 RTP

Microprocessor based Engineering Unit with Hi & Lo Alarm setpoint with Relay O/P & Process Value (PV) Re-transmission. 4~20mA DC with 24V DC Transmitter Supply, All inputs & Range Programmable from Front Panel Switches.

Input Sensors : T/C Type : J/K/E/R/S/T
RTD Type : PT-100/CU-53

Analogue : 0~10V DC / 4~20mADC
(Scalable - 1999 to 9999 with selectable D.P.)

Display : 0.8" Height, 4 Digit



MODEL : 24EU-05 P

Microprocessor Based Engineering Unit with 24V DC Transmitter Supply, All inputs & Range Selectable by Front Panel Switches.

Input : Analogue 0~10V DC / 4~20mA DC
(Scalable - 1999 to 9999 with selectable D.P.)

Display : 0.5" Height, 4 Digit

Mains : 180~264 VAC, 50 Hz.



MODEL : 48 EU-05 P

Microprocessor Based Engineering Unit with 24V DC Transmitter Supply, All inputs & Range Programmable from Front Panel Switches.

Input Sensor : T/C Type : J/K/R/S/T/E
RTD Type : PT-100/CU-53

Analogue : 0~10V DC / 4~20mADC
(Scalable - 1999 to 9999 with selectable D.P.)

Display : 0.5" Height, 4 Digit

Mains : 180~264 VAC, 50 Hz.

Dimensions : 48 mm (H) x 48 mm (W) x 100 mm (D)



MODEL : EU-02

Microprocessor based Engineering Unit with Password protection, Range selectable from Front Panel Switches.

Input : 0~10V DC / 4~20mA DC (Jumper Setting)
(Scalable - 1999 to 9999 with selectable D.P.)

Display : 0.5" Height, 4 Digit

Mains : 7~24 VDC

Dimensions : 36 mm (H) x 72 mm (W) x 30 mm (D)

Front Bazel with Panel locking



MODEL : 96EU-08 P

Microprocessor Based Engineering Unit with 24V DC Transmitter Supply, All inputs & Range Selectable from Front Panel Switches.

Input Sensor : T/C Type : J/K/R/S/T/E
RTD Type : PT-100/CU-53

Analogue : 0~10V DC / 4~20mADC
(Scalable - 1999 to 9999 with selectable D.P.)

Display : 0.8" Height, 4 Digit

Mains : 180~264 VAC, 50 Hz.

Dimensions : 96 mm (H) x 96 mm (W) x 78 mm



MODEL : EU-08 P

Microprocessor Based Engineering Unit with 24V DC Transmitter Supply, All inputs & Range Programmable from Front Panel Switches.

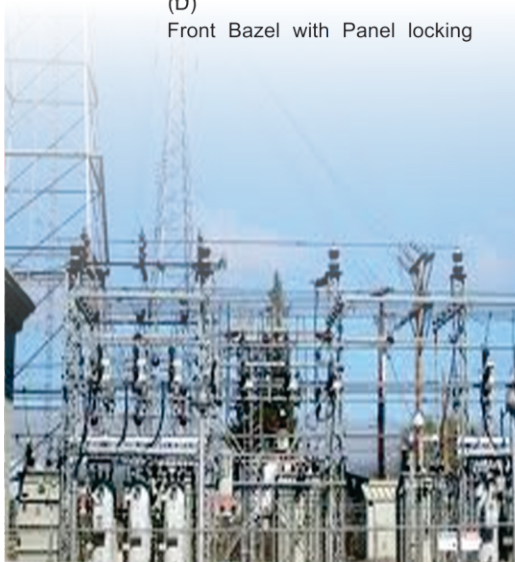
Input Sensor : T/C Type : J/K/R/S/T/E
RTD Type : PT-100/CU-53

Analogue : 0~10V DC / 4~20mADC
(Scalable - 1999 to 9999 with selectable D.P.)

Display : 0.8" Height, 4 Digit

Mains : 180~264 VAC, 50 Hz.

Dimensions : 48 mm (H) x 96 mm (W) x 78 mm (D)



ALARM ANNUNCIATOR

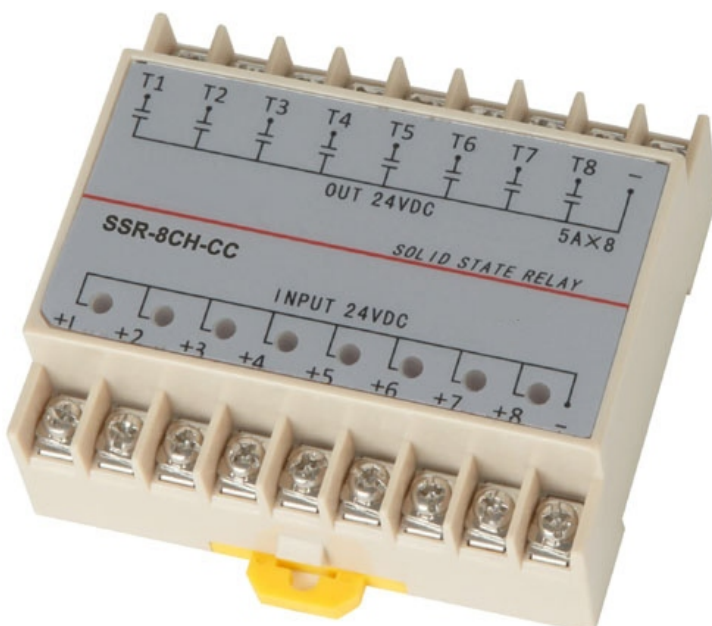
Micro-Processor based 8 channel alarm annunciator having window size of 28x32 legends are composed on tracing paper, accept input from potential free contacts, power supply available 230 VAC or 24VDC or customer specify flashing rate 55 60 flash per minute, front key switch available for 'ACK' and 'TEST' as well same function is available on back panel for remote operation, additional power contact through relay is available for alarm signal to connect warning light / hooter, siren etc.



ST-496

Micro-processor base 4 channel PID Controller with Universal Input (Same Input type for all PID) with 4 individual Display & Individual PID parameter setting with 4 control relay output & 4 soft Alarm display Universal power supply & Compact 96 x 96 x 110mm design, Available with RS 485 or Direct 18 column printer Interface as option.

SSR - RELAY CARD



- C45 din rail mount
- Rating from 5A@ 24VDC
- 24VDC control on-off state
- 8 groups independent input and output
- Common Anode or Cathode
- LED status indicator
- For use with 24V DC solenoid valve
- Reverse Connection Protection
- Suitable for Solenoid Valves
-
-

SIGNAL ISOLATOR/ CONVERTER



Available with Galvanic Isolation in Different I/P & O/P Combination DIN rail Mounting 24VDC supply with all ports Isolation.

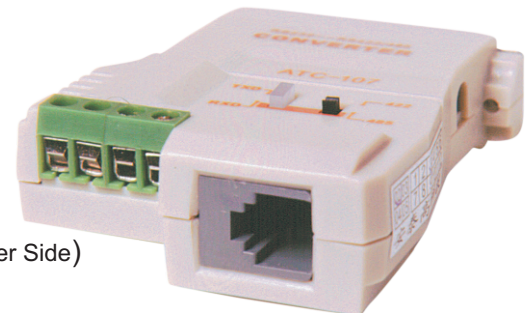
AVAILABLE TYPE			
Input	Out1	Out2	Out3
0~10V DC	0~10V DC	0~10V DC	-
0~10V DC	0~10V DC	4~20 mADC	-
4~20 mADC	4~20 mADC	4~20 mADC	-
4~20 mADC	4~20 mADC	4~20 mADC	4~20 mADC
4~20 mADC	4~20 mADC	0~10V DC	-

Also available in different combinations.

ISOLATED RS-232 to RS-422 / Rs485

Converter is very compact 125 x 54 x 25 mm size with external 9V power supply is having following features:-

- LED indication for Power & Signal Status.
- Support High Speed Baud Rate upto 11200 BPS.
- Point to point multidrop.
- Provision for termination resistor (RS422 / RS485 Receiver Side)
- Distance upto 1.2 km. / 9600 BPS.
- Remote Ground Level Protection
- Built in High Speed Optocoupler for Signal Isolation 3500 VAC



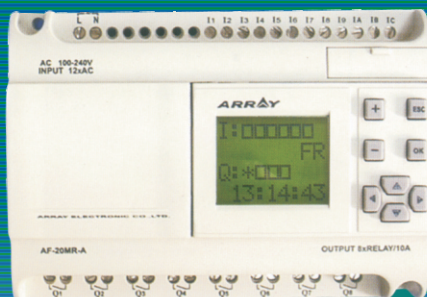
PROXIMITY SWITCH



FAB PLC



FAB PLC based on Latest technology having configurable input of Analog or Digital using function Block / Ladder Program, a free quick - II & FAB - SCADA software for complicated functions, having 127 Sets of RTC, Timer, 6 digit Counter, available for expansion voice module with 96 recordable Tag & built in modem for Bi- directional communication & control commands - Available in AC / DC & AC or DC supply with 6 & 12 input / 4 & 8 output Relay or transistor output.



127-set RTC control

Analog inputs recivable

Easy Programming

FBD or Ladder

Initiative Separated
panel with LCD Display



Phone connectable

Real time
clock function

Voice warning

Networking &
monitoring function



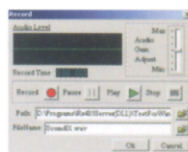
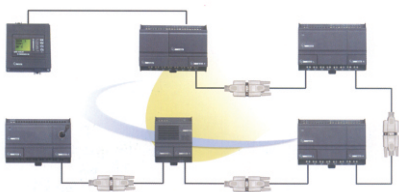
SR SERIES PLC



- 127-set RTC control
- Analog inputs receivable
- Easy Programming FBD
- Initiative Separated panel with LCD Display
- Phone connectable
- Real time clock function
- Voice warning
- Networking & monitoring function



SR SERIES PLC based on Latest technology having configurable input of Analog or Digital using function Block Program, a free software for complicated functions, having 127 Sets of RTC, Timer, 6 digit Counter, available for expansion voice module with 96 recordable Tag & built in modem for Bi- directional communication & control commands - Available in AC / DC & AC or DC supply with 6 & 12 input 4 & 8 Relay or transistor output, expandable upto 82 I/O (50 I / 32 O)

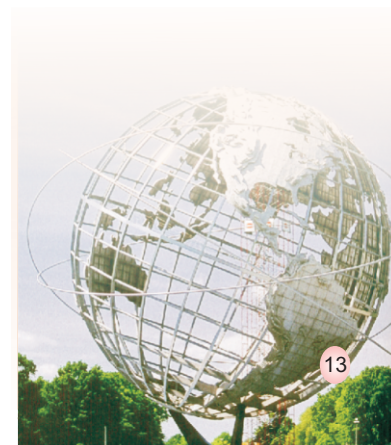


General Technical Specifications:

Supply voltage	AC100V-240V AC / DC 12-24V
Output current	Relay 10A Transistor 2A
Programming method	FBD
Program Capability	127 Blocks
Counter	127
Timer	127
RTC	127 Switches
Maximum I/O	82
LCD display	4X10 Characters

Function:

- Wireless remote control Function key
- Removable HMI and WRT Easily change preset value Display alarm message
- Telephone and voice alarm
- Can be extended to 82 I/O
- 8 channel analogue input
- Telephone remote control



Monitoring & Controlling in line with your applications !



Monitoring Relays

1-phase monitoring relays for current, voltage, power and frequency.
3-phase monitoring relays for voltage, phase sequence, phase loss and phase asymmetry, over & under monitoring as well as power factor and active power. Plug-in "11pin" housings or 17.5/22.5/45mm Din rail mount housings. Current transformers and shunts.

" Product Innovations "

DPA53

- 480VAC phase monitoring relay in compact housing; with relay output, detects under voltage and improper phase sequence or phase loss

DIA53

- Self - powered 100A current monitor in 17.5mm housing

DFCO1

- Full functions frequency monitoring relays. Allows different relays outputs to react to under or over frequency.

DTA/PTA

- Temperature monitoring relays to protect 3-phase electrical motors from overheat.



Timers

Single and multifunction timers, multivoltage, 17.5 & 22.5mm housings for DIN-rail mounting, P-series for plug-in, A-series in 48 x 48 mm housing for plug-in and panel mounting. Scantimer compact housing for plug-in mounting. Mini E-series (22.5mm) for DIN-rail mounting.

" Product Innovations "

DMB51

- Multifunction timer in a compact, space saving 17.5mm DIN rail housing

DAA51

- Delay on operate, time range 0.1s to 100h

DBB51

- True delay on release, time range 1 to 600s, capacitor powered

DAC51

- Star delta, time range (Star) 0.1 to 600s, time range (Star to Delta) 50 to 130ms



Energy Management

Transducers, Energy Meters, Power Analyzers, Current and Voltage Transformers, Serial Communication modules.

Compact Transducers for AC, DC and frequency measurement. Power Transducers, power analyzers and energy meters for network management of electrical lines in industrial and residential applications. DIN-rail or panel mounting types.



- Temperature Sensors
- Proximity Sensors
- Ultrasonic Sensors
- Level Sensors
- Humidity Sensors



- Solid State Relay
- Motor Controller
- Power Supply
- PCB Relay
- Converters



- Energy Management
- Temp. Controller / Scanner
- Timer / Monitoring Relay
- Counter
- Heater Control



- Safety Module
- Safety light Curtain
- Safety Switches
- Thyristor fuses
- Safety Magnetic Switches



Solid State & Mechanical Switching offers you cost effective solutions

Solid State Relays

Single and three Solid State Relays for panel mounting.
5 switching types: Zero Switching, Instant On, Peak Switch, Analog and DC Switching, up to 110A.
SOLITRON - ready-to-mount Solid State Relays with integrated heatsink, one, two and three - pole output.
SOLITRON Mini-compact 22.5mm Solid State Relays for DIN-rail mounting with integrated heatsink for applications up to 30A.



"Product Innovations"

SOLITRONS RJ2A, RJ3A

- Superior switching solution for frequent commutation of 3-phase loads up to 25kW
- 45mm wide housing - carry a maximum current of up to 3 x 25 Arms
- 90mm wide housing - carry a maximum current of 3 x 25 Arms

RMD

- Solid State relay and Electro-mechanical relay combined in one hybrid product.
- Longer lifetime-does not require an additional heatsink



Motor Controllers

Motor Controllers for soft start/stop of asynchronous motors up to 45kW (60HP). Compact housings for DIN-rail mounting. Controllers for dynamic braking and reversing.

"Product Innovations"

RSB

- Economical open board design and ideal for high volume applications: compressors, vacuum system, & etc.

RSHR

- Vibration free starting, Integrated heatsink, Over-temperature protection, phase sequence & loss protection

RSMR

- Compact, 10 pre-programmed start/stop profiles, phase loss protection at starting, fault status indication





Your Reliable Power Partner

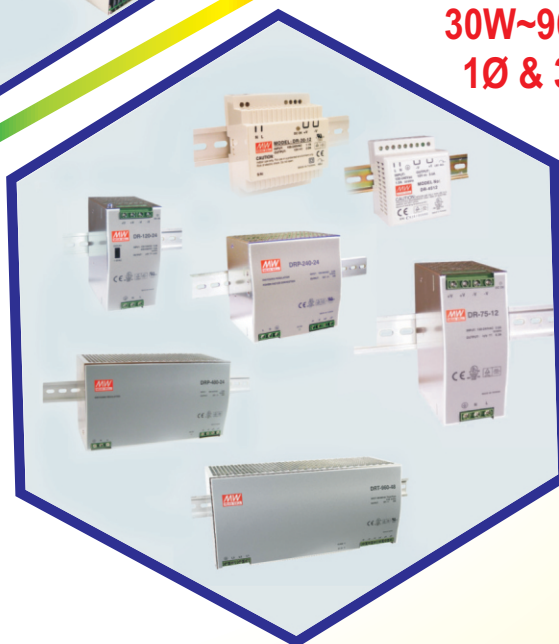
Englosed Type SMPS.
from 15 W ~ 2400W



**MODULAR
SYSTEM SMPS.**
450W / 650W / 1000W



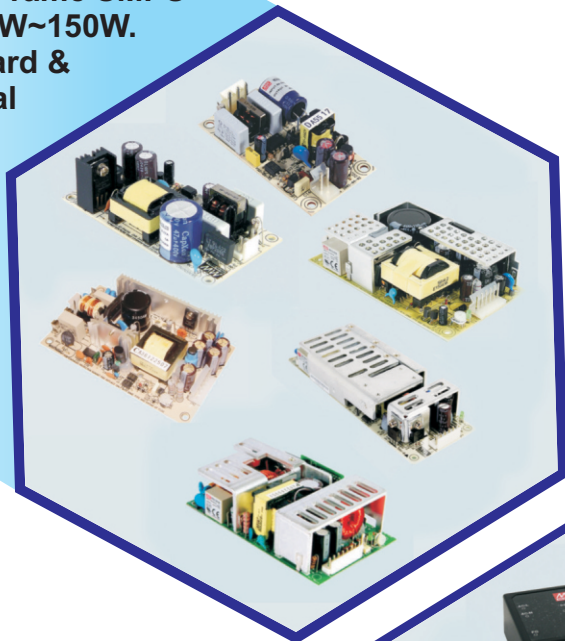
DIN RAIL SMPS.
30W~960W
1Ø & 3 Ø



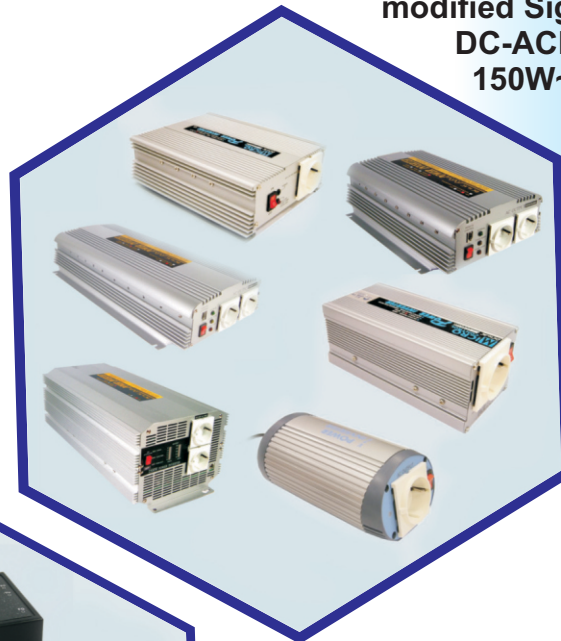


Your Reliable Power Partner

Open Frame SMPS
from 5W~150W.
Standard &
Medical
Grade



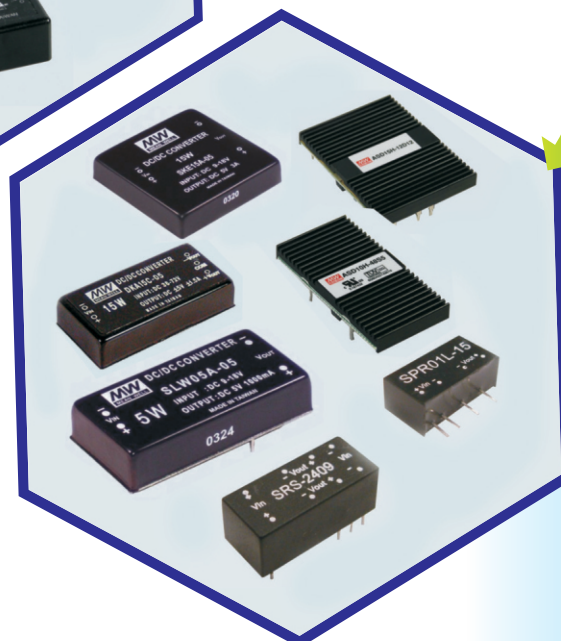
True Sign wave &
modified SignWave
DC-AC Inverter
150W~2000W



Battery Charger
from 6W ~ 360W
Capacity



DC-DC Converter
from 0.5W to 30W
PCB Mounting.



Reliable People . Reliable Product. Reliable Company



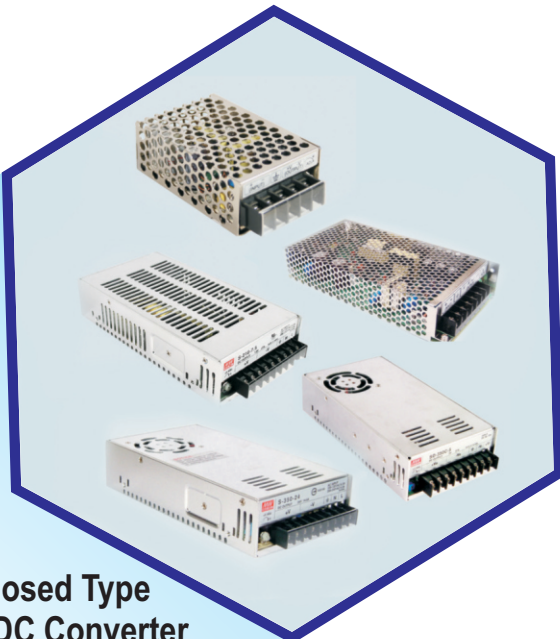
Your Reliable Power Partner



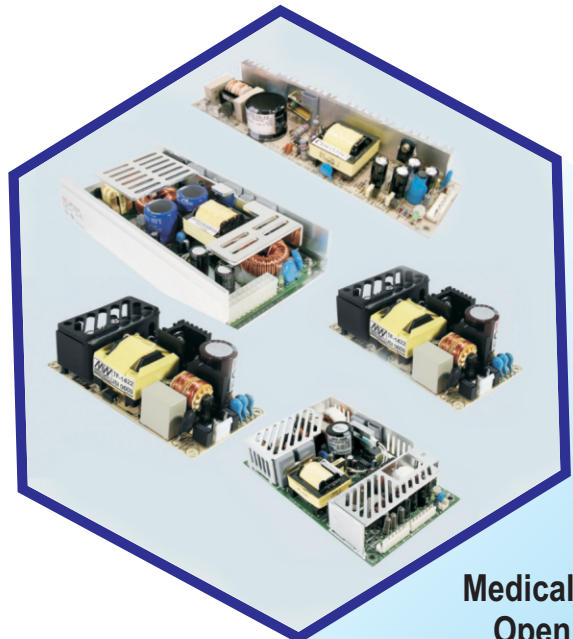
ATX Power Supply
150W ~ 350W and 1U / 2U Rack
Power Supply 200W ~ 300W



Adaptor Supply
Standard & Medical Grade
6W ~ 280W



**Enclosed Type
DC-DC Converter**
25W ~ 350W



**Medical Grade
Open Frame
SMPS**



Reliable People . Reliable Product. Reliable Company

Autonics



Sensors

Proximity Sensors
Photoelectric Sensors
Area Sensors
Fiber Optic Sensors
Door / Door Side Sensors
Pressure Sensors
Rotary Encoders

Controllers
Counters
Timers
Temp. Controllers
Temp. / Humidity Transducers
Tacho / Speed / Pulse
(Rate) Meters
Power Controllers
Switching Power Supply
Panel Meters
Display Units
Sensor Controllers
Graphic Panels



Stepping Motor

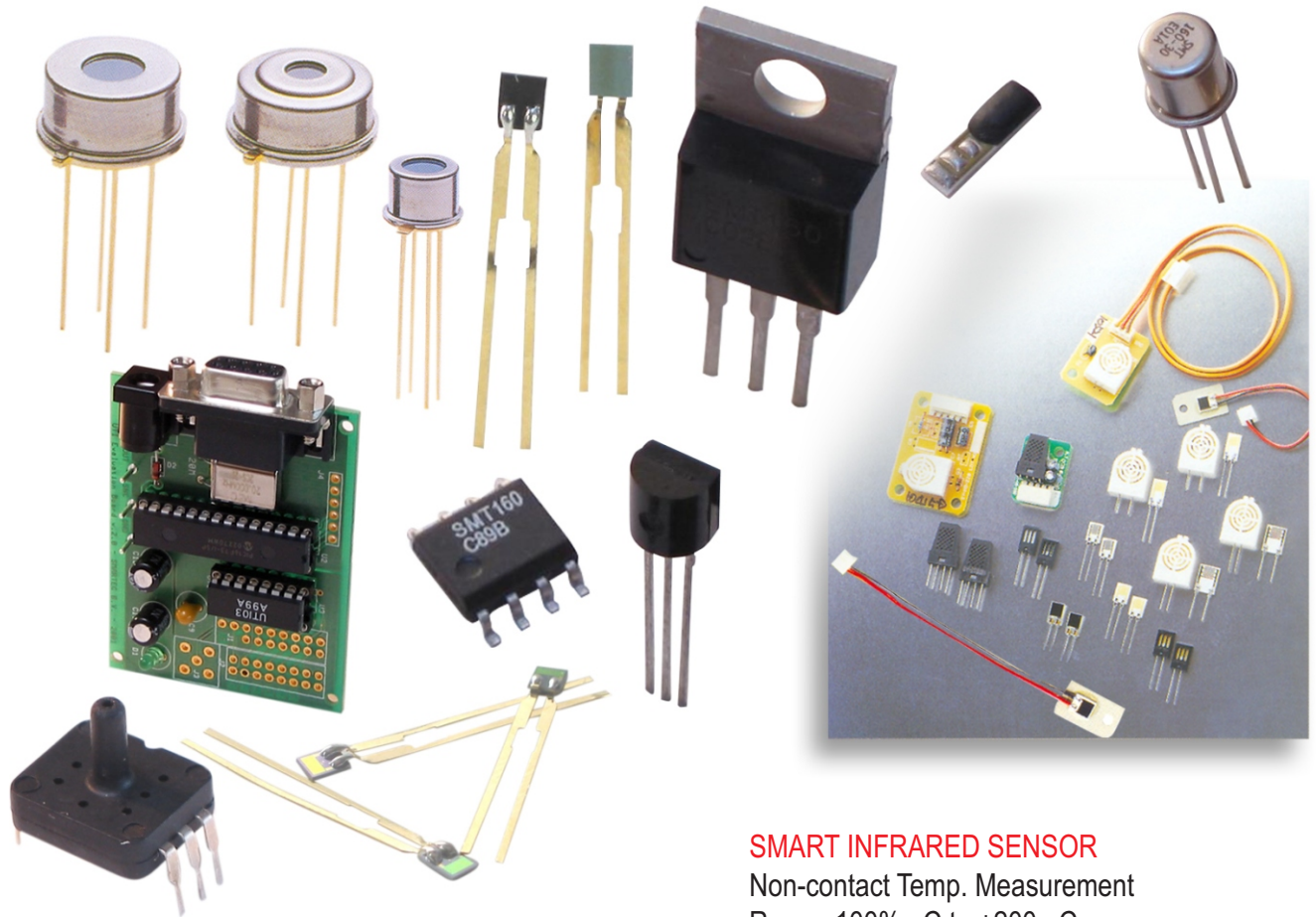
5-Phase Stepping Motors
5-Phase Stepping Motor Drivers
Motion Controllers

“Autonics” A global Partner for industrial Automation, A leading company in Korea for Sensors, Controllers, Warnings Lights having 5000+ product range widely marketed in 63 Countries, now joined hand with **“NIPPON INDIA”** to market the product in India, specially in highly developed western India region.



SMART SENSORS

Humidity, Pressure, Infrared, Temperature



SMART TEMP. SENSOR :

No A-D Converter
TTL, CMOS Compatible
Pull Output - Digital / Analogue Interpretable
Directly Connectable to Data Input of micro - processor
Easy Multiplexing for multiple sensor to micro - processor
Range: 45 to 130o C

SMART HUMIDITY SENSOR

Linear 0 V 100% RH
Long Term Stability
Close Tolerances
Capacitance Output

ALSO AVAILABLE :

Evaluation & Development Boards

Humidity sensor with 1V ~ 3V on PCB - 30 V ~ 90% Rh.

SMART INFRARED SENSOR

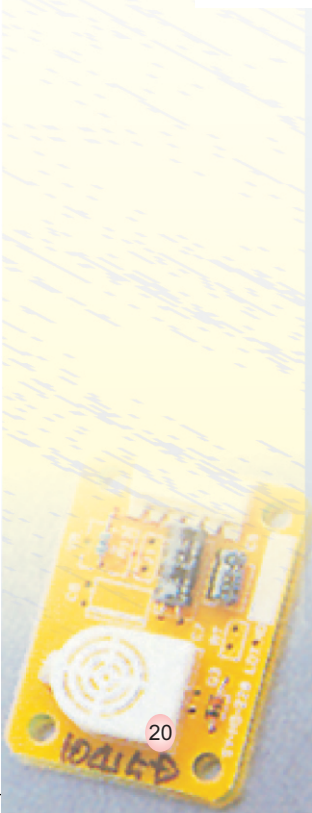
Non-contact Temp. Measurement
Rang - 100o C to +200o C

SMART PRESSURE SENSOR

Gage or Absolute Pressure
Easy to DIP Package
Voltage or Current Drive
Full Scale Range from 0.350 to 6.5 Bar

UNIVERSAL TRANSDUCER INTERFACE

Easy Interfacing with micro-processor
Provides Interfacing for many types of sensor elements Capacitors, ROT, Thermistors, Resistive bridge & Protection meter
Tri-State Output
Auto Calibration
Resolution upto 16 Bits
Measurement of multiple type of sensor element & Combination there of





RELIABLE PARTNER FOR PROCESS CONTROL INSTRUMENTS & FACTORY AUTOMATION



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