



CONTROLS & SYSTEMS
Industrial and Building Automation

Solution Partner

Automation

SIEMENS

AUTOMATION & CONTROL

SYSTEMS INTEGRATOR

Total plant control

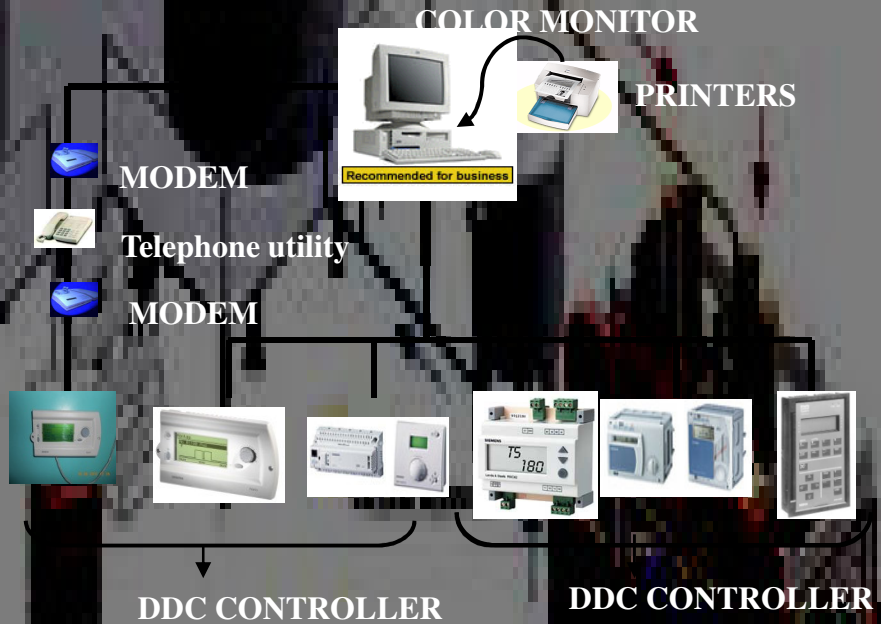
Presenting the Desigo family of programmable logic controller

Systems which gives you energy smart buildings and industrial plants ---



Features

- Graphical display unit.
- Equipment Monitoring and Control via graphics.
- Security provision.
- Report generation.
- Real-time data display.
- Run times of various equipments to generate preventive maintenance schedule.
- Controls of various parameters from a single control room



The desigo family range can control humidity, temperature, ventilation, lighting, access, elevators, escalators & monitoring of fire, intrusion and detection in any building. These services can be fully integrated into single building management systems./ industrial management systems.

With the desigo you can choose how you want to control your building/industrial, now and in the future, how you want to interact with your system, who operates it and what services you want With your system.

Building control systems and solutions facilitate rapid recovery of investment cost through energy savings and resource protection.

Instrumentation & control

- products with consistent quality, lower cost & better service

GAS ANALYSER/DETECTOR

Clear indoor air for healthy, productive Living eliminates 95% of allergens dust & tobacco smoke, Chemical Odor ,and odors from cooking , bacteria, Removes volatile organic compounds present in indoor air.

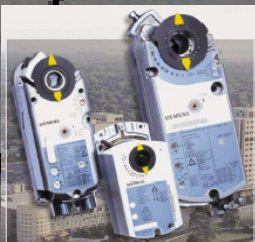


Co2 sensor/voc controllers



Actuators & valves

Complete reliability for HVAC control a wide range of reliable damper actuators & pneumatic/electric valves to meet your HVAC requirements.



Two way /three way FCU & AHU valves
With actuators

Mixing /diverting valves

Steam control valve
Modulating / on/off control actuators

Damper actuator spring and without spring actuators

Fire damper actuators



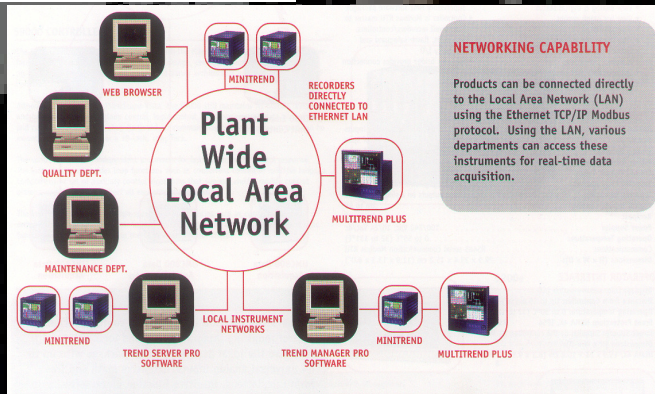
Recorders and Data Acquisition

Paperless recorders



Features

- Paperless Recording with Real-Time Measured Data Display
- 2, 4, or 6 Input Channels upto 64
- Ethernet 10-Base T Connection for FTP and Web Compatibility
- Up to 6 Digital Inputs and Digital Outputs
- PC or Front Panel Configuration
- Data Storage to 3.5" (1.44 MB) Floppy Disk
- Standard DIN Mounting for direct replacement of 100mm Chart Recorders



- 24 Analog inputs
- Accuracy 0.05%
- Configurable chart speed
- Options to include up to 36 logic inputs, 48 alarm s inputs
- 36 relays, communication, math functions, up to 8 Retransmission outputs, Data logging
- Roll or fanfold chart on the same cassette
- Periodic Reports on chart, comm or PC

Strip chart Recorders



Features

- Accuracy $\pm 0.35\%$ or $\pm 0.1\%$ Span (by Model)
- Up to 2 Inputs
- Fully user configurable, no jumpers or rotary Switches
- Universal power supply
- Wide choice of output types: SPDT, Solid state relay, and open collector outputs, plus alarms
- Optional digital inputs with control or alarm options for switching control modes from a remote contact closure

Circular Chart Recorders



Process Control

PH/TDS/Conductivity control:-

A range of analyzers and transmitters for use with to measure pH,ORP,or Sodium,chloride or Flouride.

* Integral electronics/sensor design,one or two point calibration,auto Buffer recongnition

PH electrode with transmitter



Conductivity/TDS/salt concentration analyzer



Temperature compensation unique to each reagent
Automatic calculation for percent rejection and percent passage, ratio, and difference
Concentration measurement for specific chemicals
A flexible display that reflects the appropriate unit of measurement TDS, conductivity, resistivity, concentration, calculated values.

Boiler/Furnace –Temperature,Steam pressure,Steam Temperature ,dying process controller etc:-

- Clear and informative operator interface
- Easy to setup and operate
- Straightforward installation and maintenance
- Single-button tuning for precise control
- Fuzzy logic overshoot surpression



Easy Connection
10-Types Meters

Field Instruments

Multi Variable Flow Transmitter & switches



- **SMV 3000 Multivariable Transmitter.** The SMV 3000 measures differential pressure, absolute pressure, and temperature to calculate compensated flow rates. Because all of these variables can be measured with a single instrument fewer pipe intrusions are necessary, reducing the chance of leaks. SMV 3000 can reduce the cost of calculating compensated flow rates by as much as 60 percent.

Measuring pressures, temperatures, and flows effectively, accurately, and economically are the hallmarks of Honeywell Smartline Transmitters. This comprehensive range of technically advanced field instruments offers major advantages for improving your process, complying with regulations and attaining high-quality standards. In addition, the life-cycle costs of buying and maintaining these sturdy instruments is lower than other comparable products.

Pressure transmitter and switches



Humidity and Temperature transmitter



Smart Temperature Transmitters. Smart technology (Accur. +/- 0.01% of span-Digital STT350). Temperature by RTD or TC. Support for 4 wire RTD and differential measurements. Head, DIN rail or flame proof housing mount. Loop powered.

Coal-Fired Power Plant

Energy Management Systems

Maximum Demand controller



Minimize your energy costs by controlling your Maximum demand with this low cost controller

Non-domestic electrical power users often have to pay a maximum demand charge in addition to the usual charge for the number of units consumed.

Power meter/load manager



Single unit capable of measuring single or multi-phase power lines (up to 3-phase / 4-wire lines)

KW hr meter



Automatic Power factor controller



Power transducer



Precise motor frequency regulation

variable frequency drives uses the latest IGBT frequency inverter technology for more efficient motor operation. These compact, lightweight drives are easy to install

and provide significant energy savings. Plus, they're built to last, allow easy commissioning and start-up





Intelligent Fire Alarm systems

Intelligent smoke sensing in textile area
spark detector
Beam detector
Thermal detector
Co2 detector
WRS , blom room , cotton, yarn gowdown
And other waste collection area



Intelligent Advantages



1. Early Detection Minimizes Losses
2. Alarm Verification to rule out false and nuisance alarms
3. Exact pinpointing of location helps accelerate fire fighting operation
4. Intelligent annunciation facilitates early and easier evacuation.
5. Continuous Monitoring and health check of systems for reliability and easy maintenance
6. On-line diagnostics to check the state of each detector periodically
7. Systems available for small, Medium or large complexes

