Measurement and regulation of JDK's products

Electronic expansion valve

- ➤ Evaporator superheating control
- ➤ Proportional modulation of expansion valve
- ➤ Displays temperature and refrigerant pressure values
- ➤ E.g. Danfoss EKC 315, Emerson EC3-X33

Electronic thermostat

- ➤ Temperature control
- ➤ Temperature and alarm indication
- ➤ E.g. Danfoss EKC 301, Eliwell IC 901

Electronic thermostat with defrost management

- ➤ Temperature control, defrost management
- ➤ Ready to control solenoid valve, fan and defrost heating
- ➤ Temperature indications, alarm indication
- ➤ E.g. Danfoss EKC 414, Eliwell IWP 750 JDK

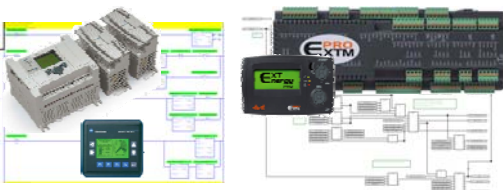## Electronic capacity controller - single circuit

- ➤ Pressure or temperature control via ON/OFF compressors or fans switching
- ➤ E.g. Emerson EC2-552, Eliwell EWCM 415

Electronic capacity controller - two circuits

- ➤ Compressors suction pressure control via shutting down of individual compressors
- ➤ Discharge pressure control via switching ON/OFF individual fans
- ➤ E.g. Danfoss EKC 530, Eliwell EWCM 900

Programmable logic controller - PLC

- ➤ Control of any number and type of compressors, fans, evaporator, pumps
- ➤ Advanced management for non-standard refrigeration technology
- ➤ The possibility of adjusting the program according to customer's needs
- ➤ E.g. Allen-Bradley Micrologix 1100, Eliwell XT Pro

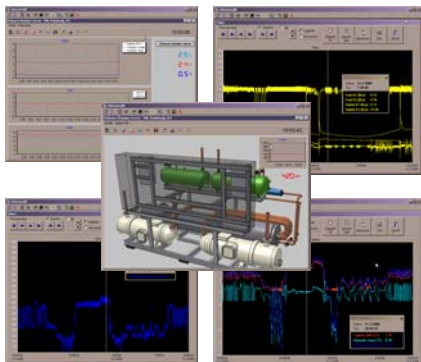## Monitoring and data archiving - with offline personal computer

- Temperatures, pressures and alarms record
- Capability of viewing and printing history charts for selected values
- Necessary to use controllers of the same manufacturer
- E.g. Danfoss AK-SM 350 + SW AK-SM 350
- E.g. Eliwell Televis Compact + SW Televis Interactive

Monitoring and data archiving - with online personal computer

- Temperatures, pressures and alarms record
- Capability of viewing and printing history charts for selected values
- Necessary to use controllers of the same manufacturer
- E.g. Danfoss AKA 245 + SW AK Mimic
- E.g. Eliwell PC Interface + SW Televis 200, Televis NET

Monitoring and archiving data - various manufacturers, all in one

- Access via the Internet
- Visualization and archiving temperatures, pressures and alarms from various manufacturer's devices
- Requires online computer
- E.g. Reliance SCADA visualization software, OPC Servers for individual vendor's devices

Specifications are subject to change without notice.