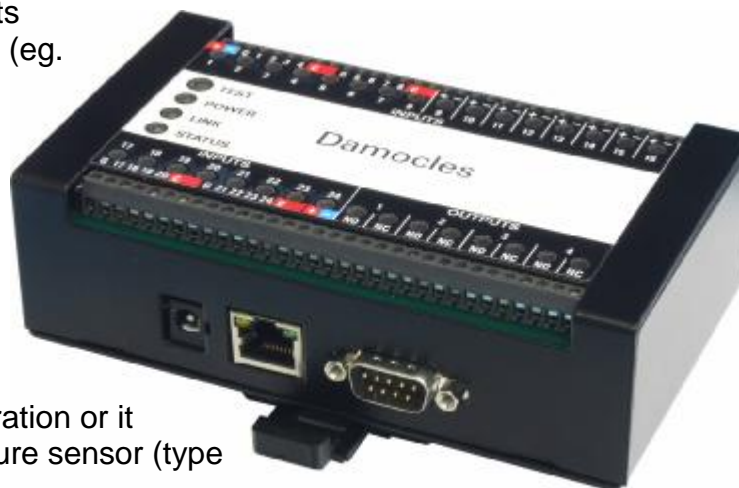


Damocles model 2404

24 digital inputs & 4 relay outputs over Ethernet

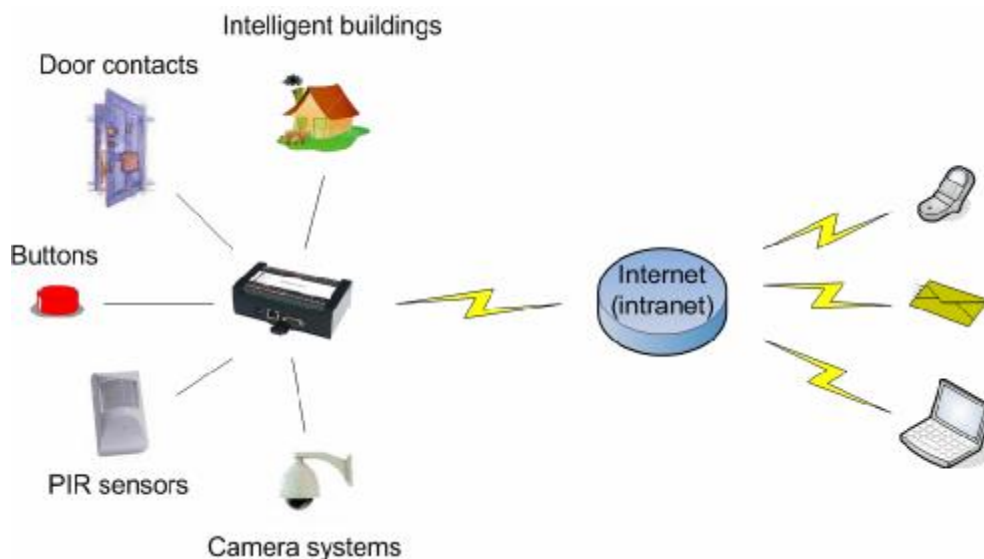
Damocles 2404 is a unit of digital inputs and outputs controlled over WEB or using many M2M protocols (eg. SNMP, Modbus/TCP, XML, etc.). Damocles can inform about state change by sending E-mail or SNMP Trap. If necessary, Alarm can be redirect to SMS message in GSM network.

Various models from the Damocles family differ in number of inputs and outputs on the unit. Damocles model 2404 contains 24 digital inputs (galvanically isolated) and 4 relay outputs. There is also RS-232 interface that can be used for configuration or it supports (by software) connection of one temperature sensor (type Temp-232).



Application

- Relay control over Ethernet – Three clicks to switch on relay
- Device management using intuitive graphic WWW interface
- Supervision of temperature sensors, door contacts, motion and gas sensors and more
- Processing of external inputs and outputs in telecommunications
- Connecting external inputs to SCADA system
- Remote monitoring of diesel aggregate and other technologies over SNMP
- Intelligent buildings (temperature measurement, door contacts, EZS, EPS...)
- Camera systems (door contacts, PIR sensors..)



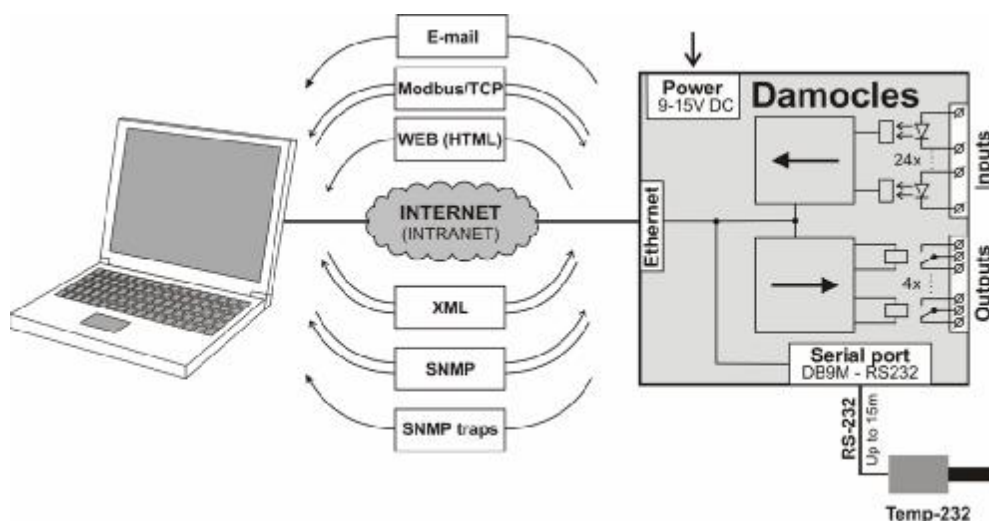
Features

Damocles is designed for industrial environments and can be mounted on a DIN molding as well as in a 19" RACK or telecommunications environment.

- **24 digital inputs** (galvanically isolated) – ready for contacts connection
- **4 digital input** – relay contacts (NC as well as NO)
- Ethernet - **RJ45 (10BASE-T - IEEE 802.3)**
- Temperature measurement Temp-232 (from -10 up to +80 °C do 20 meters)
- **Graphic WWW interface** for easy configuration
- Alarm notification via **SNMP Trap** or **E-mail**. It can be redirect to SMS message in GSM network
- **Security** provided by passwords or range of IP address
- Library of **examples** and **SDK** (Software Development Kit) with examples of using (VB, C, C# ...)

Communications protocols

- **Web (HTML)**
- **XML**
- **Modbus/TCP**
- **SNMP**
- **TCP/IP, UDP/IP**
- Alarm notification
 - **E-mail**
 - **SNMP Trap**



Configuration over WEB

- Checking the actual state of inputs and outputs
- Renaming individual input and output
- Renaming input's states (eg. 1 = „Valve Off“, 0 = „Valve On“)
- Time setting (synchronize with the NTP server)
- Setting on and defining Alarm states for individual input
- Definition of Alarm state for Group Alarms. For example, Group Alarm „Warning – overheating“ raise when appropriate conditions (Door = Closed, Temperature is over 40 °C and air condition = switch off) are met.
- Alarm destination settings – SNMP trap (IP and port), E-mail receiver

