

[Technical release]

March 28, 2006

To whom it may concerned:

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Release of "Wireless pressure sensor"

NKS has developed a wireless sensor and its network based on ZigBee 1.0.. Its demonstration system will be exhibited at INTERMEASURE 2006 held from April 5.

In response to the sensor network market which is expected to grow rapidly over the coming years, NKS has established a system which has a built-in wireless module (based on the standard IEEE802.15.4) in electronic pressure indicator and is capable of measuring multiple points of pressure remotely. This newly developed wireless module is designed to realize low price and low power consumption. It can be used for various industrial sensors. Since a network system provides flexible solutions, it can be used in various applications such as building automation and process / energy control.

For the future, NKS is planning to commercialize various wireless sensors for many more applications. NKS continues research and development of hardware and software aiming at extended battery life, improvement of communication capability, reliability and security.

[Key features]

Pressure indicator

- Capable of on-site measuring with the battery-powered digital pressure gauge
- Extended battery life due to low power consumption design (2 years with 2 AA-sized alkaline cells)
- Transmission distance : 100 m outdoors
- Transmission speed : 250 kbps

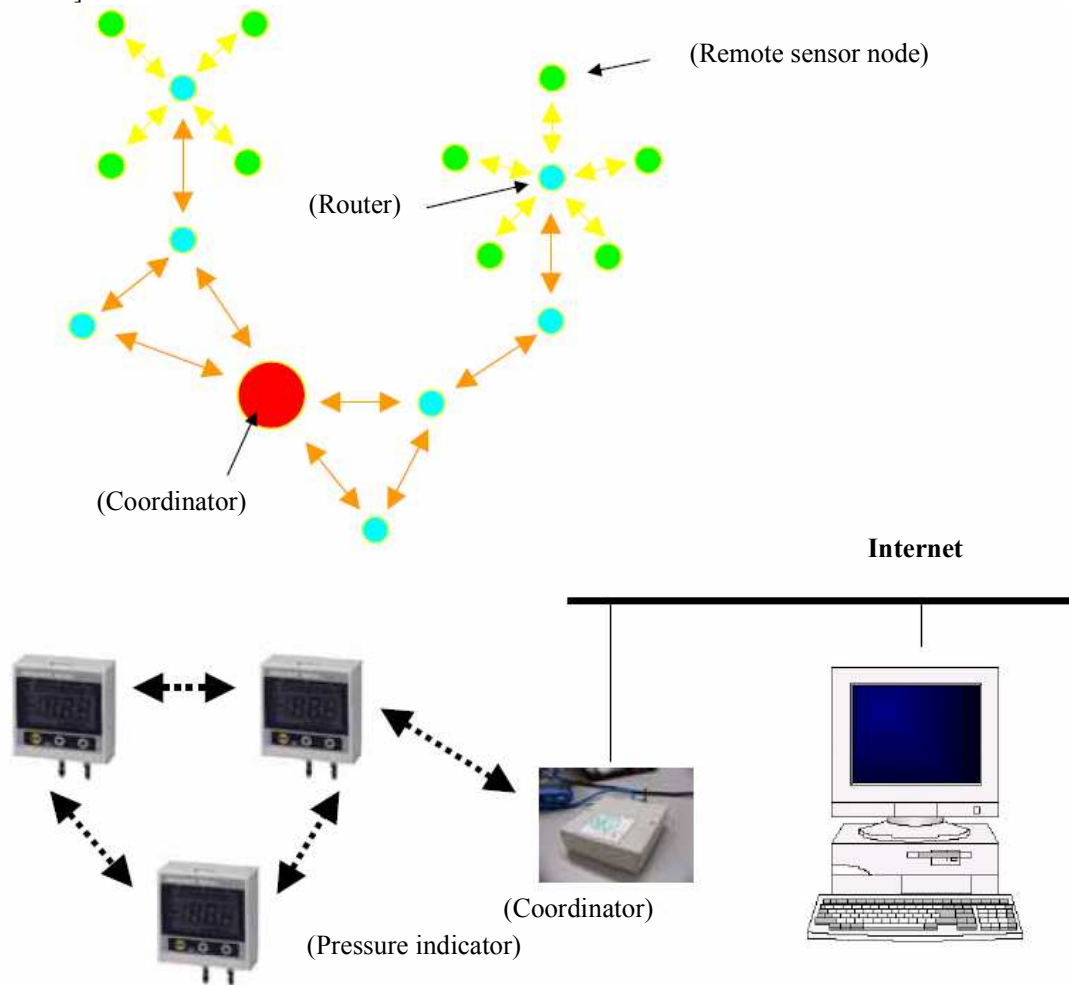
Network

- A meshed network based on ZigBee1.0
- Automatic set up function which assesses optimum radio wave condition and establishes network automatically.
- Various functions such as remaining battery level monitor, alarm output function, etc.
- Capable of monitoring on internet

[Main applications]

- Industrial measurement
- Building automation
- Civil engineering and disaster prevention

[Structure]



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