



### «WIRELESS HOME CONTROL SYSTEM»

- Radio communication has become an integral part of our lives. Equally, radio technology is a rapidly growing market for home automation.
- IK is one of the leading companies in development and manufacturing of wireless equipment for highly intelligent data networks.
- A family of 868MHz equipment is developed into which room thermostats and actuators as well as a great number of other metering and control units can easily be connected together to a flexible, powerful home automation network.
- The equipment consists of uni- and bi-directional wireless units with excellent radio performance:
  - Lowest power consumption for longest battery lifetime for the room thermostats,
  - High receiver sensitivity, optimum transmit power and sophisticated antennas for robust transmission over long distances and inside buildings,
  - FSK narrowband modulation for optimum performance, cost and lifetime,
  - Special coded transmission algorithm,
  - Cost optimised solution by design and by effective production.
- Different connection systems for actuators / valve drives:
  - 24V,
  - 230V,
  - EIB,
  - 0 to 10V DDC.

### «WIRELESS ROOM THERMOSTAT»

- For precise measurement of room temperature the Wireless Room Thermostat was developed. The Thermostat sends the measured and calibrated temperature information to the Wireless Actuator Interface located near the valves or actuators anywhere in the house.
- Features:
  - Unique coding used for transmission safety,
  - Rotary temperature control with ¼ degree soft notch scale,
  - Limitation of set temperature range,
  - Selectable operating modes: Day, Night, Automatic,
  - Temperature range 10 to 28°C,
  - 5 years battery lifetime (CR2032).
- Simply put the wireless unit to the wall – without any wires.
- The Wireless Thermostat is easily configurable to special requirements like enclosures, functions and electrical parameters.

### «WIRELESS ACTUATOR INTERFACE»

- The Wireless Actuator Interface connects the individual Wireless Room Thermostats and other sensors to the heating circuit. It receives the incoming radio signals, translates to the necessary commands and drives the actuators like valves.
- Features:
  - Handles up to 12 Wireless Room Thermostats,
  - Interfaces to up to 13 Actuators,
  - Control indicators and integrated test functions,
- The unit can modularly extended by additional modules with different functions and a separate external transceiver for increasing the radio transmission distance.