DIGIcontrol-BLS, AIpoint-BTH, -BWS

- Environment data where ever you need without cabling hassle
- Wireless - IBB/S gateway for up to 30 sensor modules
- High security AES encrypted IBB/S bus communication
- V4 analogue reporting system
  - ATS sensor modules designed for min. 3-years battery life time
  - Configurable reporting interval of 1, 5, 10, 15, 30 or 60 minutes
  - Up to 50m communication distance to the gateway
  - AIpoint-BTH temperature & humidity sensor
  - AIpoint-BTH/A external temperature & humidity sensor
  - AIpoint-BTH/E temperatur- & soil moisture sensor
  - AIpoint-BWS water leak sensor

DIGIcontrol-BLS   Wireless-Gateway & sensor modules

The DIGIcontrol-BLS IBB/S to wireless gateway is a universal unit to collect precise temperature and humidity values without the need of extensive cabling. Where ever you need precise environment data's, just place the battery powered sensor module anywhere in a distance of up to 30m around the gateway. The AIpoint module has an easy to change and 3-years lasting battery. The report interval, in the range of 1, 5, 10, 15, 30 or 60 minutes, is easily configured over the DIGIcontrol-BLS gateway.

A total of 30 Digital Inputs and 60 Analog Inputs could be configured and assigned to max. 30 AIpoint sensor modules. Many DIGIcontrol-BLS gateways could be connected with a single ATS-Floorcontroller to cover large sensing areas. The gateway has full support for the V4 analogue reporting system with actual-, mean, min. & max value for each analogue input.

Each AIpoint sensor module module has a unique MAC-Address and could have up to two analogue inputs. Transmitting distance between gateway and sensor modules is up to 50m.

Currently there are 4 different ATS sensor modules available. The modules are designed for surface mount with two 3mm screws or just to drop it on any place you want to measure. A special early warning message is transmitted when the battery is low after reaching its minimum 3-years lifetime. The CR2477 cell battery is easy to change, no tool is needed.
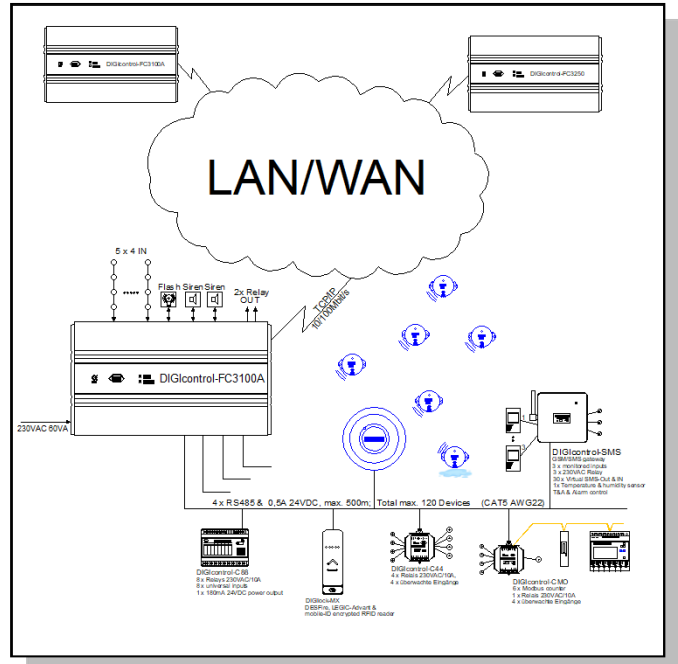
AIpoint-BTH features a precise Sensirion temperature and humidity sensor with auto calibration and a programable report interval.

AIpoint-BTH/A has an external Sensirion temperature & humidity sensor on a 2m cable.

AIpoint-BTH/E has a Sensirion temperature sensor and a ground spike soil moisture sensor.

AIpoint-BWS Water leek alarm detector with temperature and humidity sensor. Just place on ground at any area with water leak risk.

Inkbirds IBS-TH1 temperature & humidity sensors with 2 month battery life time is also supported.

Technical Data:

DIGIcontrol-BLS
ATS-IBB/S to wireless gateway for up to
30 AIpoint sensor modules with a total of
    60 water leak detections, temperature or humidity values
32-bit ARM Cortex-M4
Memory: 256kb Flash / 32kB SRAM
Encryption 128/256Bit AES
V4 reporting system
Frequency band: 2.402 – 2,480GHz
Range indoor up to 30m, Outdoor up to 50m
IBB/S AES encrypted network interface
Supply voltage: 10-28 VDC from IBB
Supply current: 60mA max.
Operating temperature: -10° to $+50^{\circ}$C
Dimensions: Ø102mm x D23 mm

AIpoint-BTH
Battery operated temperature and humidity sensor module.
Configurable report interval;
Range: Up to 50m in free space (indoor typical 30m)
Accuracy: ±2 %RH and ±0.2°C;
Dimensions: Ø50mm x D20 mm
Battery: C2477 Lithium with more than 3-years operation time
    included

AIpoint-BTH/A
As AIpoint-BTH but with 2m cable sensor

AIpoint-BTH/E
As AIpoint-BTH but with a ground spike soil moisture sensor instead of humidity sensor

AIpoint-BWS
As AIpoint-BTH but with an additional water leek sensor

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ATS

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