DIGIcontrol-ZBI, AIpoint-Z22, -Z2L,-Z2D, -ZWS

- ZigBee-IBB/S coordinator for up to 30 ATS-ZigBee modules
- High security AES encrypted radio & IBB/S bus communication
- Light control and regulation support
- Configurable offline behaviour and for all outputs
- V4 analogue reporting system
- AIpoint router modules designed to fit in a DIN-wall box
  - Isolated 230VAC power supply
  - 2x monitored DI & Sensirion sensor interface
  - AIpoint-Z22 2x 230V~/6A Relay
  - AIpoint-Z2D 1x230V~/6A Relay, DALI or 1-10V output
  - AIpoint-Z2L Dual 12-24VDC 6A LED-driver
  - AIpoint-ZWS Water leak detector
  - Routing with up to 40m indoor distance between the modules

DIGIcontrol-ZBI ZigBee coordinator & I/O router modules

The DIGIcontrol-ZBI IBB/S to ZigBee coordinator is a universal input/output gateway to extend the input and output capacity of DIGIcontrol-FC3xxx controllers with up to 30 high security RF modules.

The DIGIcontrol-ZBI ZigBee gateway has a Master MAC-Address, network name. Individual high security code for the RF communication with the RF I/O modules.

A total of 60 Digital Inputs, 60 Analog Inputs and 60 Outputs (relays, DALI, 0-10V or PWM) could be configured and assigned to max. 30 ATS RF modules. Full support for the V4 analogue reporting system with individual intervals for actual-, mean, min. & max value of each analogue input.

Each ZigBee routing module has a unique MAC-Address and could have up to two digital, two analogue inputs and 2 outputs. Up to 30m transmitting distance between coordinator and RF-modules and between module to module. Each RF-module allows message routing to other modules to extend the total range.

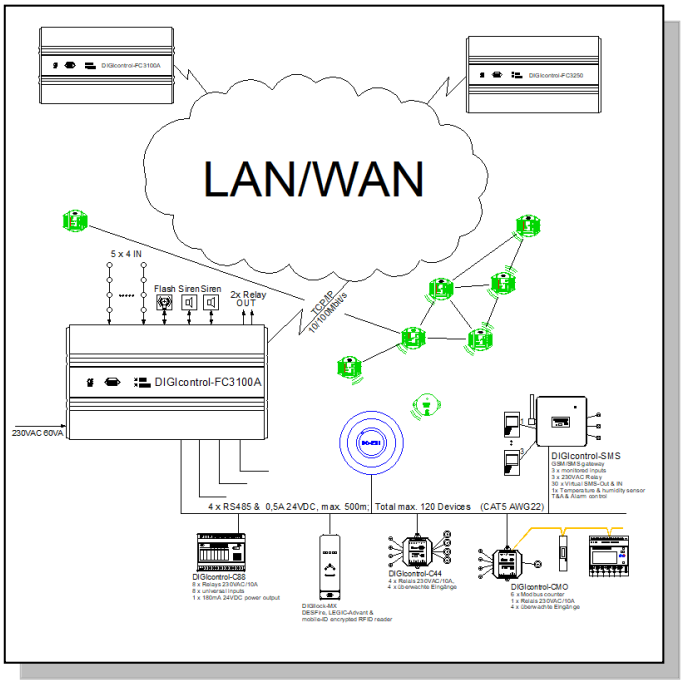
Currently there are 4 ATS-Modules available to support all different needs for I/Os. All modules have 2 monitored digital inputs and an interface for an external Sensirion humidity and temperature sensor. The modules are designed to fit in a DIN wall box. 2 screw holes allows also surface mounting.

AIpoint-Z22 features an isolated 230V power supply and two power relays 230V/6A. The relays could be configured as two individual NO relays or as one change over relay with a configurable break time. To minimise risk, a maximum on time or an offline status could be set. The input channels could be configured also as relay feedback.

AIpoint-Z2D with its own isolated 230VAC power supply is designed to control a single DALI lamp with 2 channels (dim level & colour temperature). Instead of the DALI output, a single 0-10V output could be configured. A 230V/6A relay could be used for power down whenever DALI or 0-10V has the lowest dimming level to save standby energy.

AIpoint-Z2L needs external 12-24VDC power supply to drive two diming LED lines with up 6A each. Offline status and max on time could be configured for each line.

AIpoint-ZWS Water leek alarm detector with more than 3-year battery operation.



Technical Data:

DIGIcontrol-ZBI
ATS-IBB/S to ZigBee 3.0 coordinator gateway for up to 30 ZigBee RF-Modules with a total of 60 monitored inputs, 60 temperature or humidity values, 60 Output channels.
32-bit ARM Cortex-M4 & XBee3 Module
Memory: 512kB Flash / 64kB SRAM
Encryption 128 AES
Frequency band: ISM 2.4GHz
Range indoor: Up to 30m Outdoor: Up to 60m
IBB/S AES encrypted network interface
Supply voltage: 10-28 VDC from IBB
Supply current: 60mA max.
Operating temperature: -10° to +50°C
Dimensions: Ø102mm x D23 mm

AIpoint-Z22
ZigBee Relay router module with optical isolated 230VAC power supply, 2x monitored inputs, 2x Relay 230VAC/6A with configurable offline behaviour, 1x I2C Sensirion sensor interface for temperature & humidity

AIpoint-Z2D
ZigBee DALI or 1-10V router module with optical isolated 230VAC power supply, 2x monitored inputs, 1x power save Relay 1x I2C Sensirion sensor interface for temperature & humidity

AIpoint-Z2L
ZigBee Dual 6A LED-driver for 12-24VDC, 2x monitored inputs, 1x power save Relay 1x I2C Sensirion sensor interface for temperature & humidity

AIpoint-ZWS
Battery operated ZigBee water leek sensor. 3-year operation with a single CR2477 lithium battery (included).