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Project: [Betreff]		
Revision: 1	Features	

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1. Revision History

Revision	Author	Description	Date
0	SBE	First draft	2022-02-07
1	SBE	Added some features	2022-03-01

2. Related Documents



#	Document	Revision
1	UserManual_IntelliGateAir_v2.0_20210127	2.0
2	20220221_sales_meeting_neo_hw	0

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3. Features

The IntelliGate AIR supports a variety of features which are listed below:

- Wi-Fi 802.11 b/g/n
- RJ45 ethernet port according to IEEE 802.3 (100Mbps)
- RS-485 interface
- Internal temperature sensor
 - Electronics temperature
- 2x External temperature sensor PT1000
 - External temperature
- Hose connection to differential pressure sensor (+/- 500Pa)
 - Air pressure
 - Air temperature
 - Air flow
- 1x 0-10V Input
- 1x 0-10V Output
- +10V Output (max. 10mA)
- 1x Tachometer Input
- 1x Status Relay (contact rating 3A 250VAC)
- Modbus Autoaddressing of ebm-papst fans
- Alarm output
 - Current value of the alarm output (relay output).
- Firmware update over-the-air
- Scheduler (5 time segments per day)
- Dynamic Modbus Table
- “Remote powered fan” warning
- Modbus TCP <-> Modbus RTU Gateway
- Web browser for configuration
- Cloud connection via Ethernet or Wi-Fi

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- Controller settings via Modbus TCP
 - Soft and hard reset
 - Date and time
 - Modbus/RTU settings
 - Operating mode 1 and 2
 - Operating mode 1 configures the closed-loop control method.
 - Operating mode 2 configures fan interface type.
 - Temperature sensor adjustment
 - Pressure sensor adjustment
 - Setpoint reduction
 - Control function
 - With this function the operating direction of the controller can be set.
 - P-/I-/K-Factor
 - Minimum and maximum fan speed
 - Source of rotating direction
 - Preferred rotating direction