# Ventilatori Ziehl con scheda ECblue Premium

Tipo variabile

h= Holding register

c= Coil register

i= Input register

COM Setting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variabile | Valore default | Valore da impostare | Descrizione | Tipo var. |
| 104 | 0 | 1 | Portare a 1 per scrivere i valori COM Setting | h |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 101 | 247 |  | Bus Address | h |
| 102 | 2 (19200) |  | Baudrate | h |
| 103 | 2 (8E1) |  | Parity | h |

Setting

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variabile | Valore default | Valore da impostare | Descrizione | Tipo var. |
| 19 | 0 | 0 | Modo funzione= 1.01 | h |
| 61 | 0 | 1 | Funzione D1= ON-OFF | h |
| 105 | 0 | 1 | BUS Mode D1= Attivo | h |
| 64 | 1 | 7 | E2 anologic input= BUS | h |

Comando

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 9001 | 0 |  | Ingresso E1; 0= 0V; 32767= 10V | h |
| 1 | 0 |  | Ingresso D1; 0= OFF; 1=ON | c |

Letture

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variabile | Valore default |  | Descrizione | Tipo var. |
| 1 | 0 |  | Velocità attuale rpm | i |
| 3 | 0 |  | Setpoint | i |
| 4 | 1 |  | Stato E2 | i |
| 12 | 0 |  | Error code | i |
| 20 | 0 |  | Stato D1 | i |
| 27 | 0 |  | Tensione in volt | i |
| 28 |  |  | Corrente in 0.001A | i |

# Ventilatori Ziehl con scheda ECblue Basic

**COM Setting**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variabile | Valore default | Valore da impostare | Descrizione | Tipo var. |
| 4 | 247 |  | Bus Address | h |
|  | 2 (19200) |  | Baudrate | h |
|  | 2 (8E1) |  | Parity | h |

Bit [15:8] Bus Address: 1 - 247, Default 247

Bit [7:4] COM Baudrate: 19200Bd (default)

0 = 4800

1 = 9600

2 = 19200 (fix @: ECblue lite IP54, ECblue motor size B IP54)

3 = 38400 (only AM-MODBUS)

4 = 115200 (only AM-MODBUS from Firmware 04)

Bit [3:0] COM Mode: 8E1 (default)

0 = 8N1

1 = 8O1

2 = 8E1 (fix @: ECblue lite IP54, ECblue motor size B IP54)

3 = 8N2 (from AM-MODBUS version 9.00)

**MB Holding Register 5, Address: h4 Controlmode (Level 2)**

Control mode defines how the device is controlled by the user.

Access / necessary PIN protection level RW, NV / |2|

minimal value 0

maximum value 65535

Bit [15:14] no function, reads 0

Bit [13] Buscon firealarm (by ECblue firealarm from Firmware 9.00)1

0: h1 Bit 5 deactivated

1: h1 Bit 5 active

Bit [12] Buscon reverse (Rolling direct., Default = 0)

0: h1 Bit 4 deactivated

1: h1 Bit 4 active (OR'ed with digital input)

Bit [11] Buscon Limit (speed limitation, Default = 0)

0: h1 Bit 3 deactivated

1: h1 Bit 3 active (OR'ed with digital input)

Bit [10] Buscon Set intern 3 (Set Intern3, Default = 0)

0: h1 Bit 2 deactivated

1: h1Bit 2 active (OR'ed with digital input)

Bit [9] Buscon Set intern 2 (Set Intern2, Default = 0)

0: h1 Bit 1 deactivated

1: h1 Bit 1 active (OR'ed with digital input)

Bit [8] Buscon enable (Enable, Default = 0)

0: h1 Bit 0 deactivated

1: h1 Bit 0 active (OR'ed with digital input)

Bit [7:4] Automatic reset after error (from version 13.30)

0: No automatic reset

1: Automatic reset after 1 minute

2: Automatic reset after 15 minutes

3: Automatic reset after 60 minutes

Bit [3:0] Speed control mode (Default = 0)

0: Control by E1 (0 - 10 V / PWM) \*

1: Speed control register h2 (ECblue: absolute speed, F-,Icontrol: frequency 1/10 Hz) \*

2: Speed control register h2 (fractional 0 - 32767 = 0 - 100 %) \*

3: Speed control register h2 (fractional 0 - 100 = 0 - 100 %) \*

4: Set Intern1 \*

5: Set Intern2

6: Set Intern2

\* with possibility for switch over to Set Intern 2,3

**D1 Function (Level 2)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variabile | Valore default | Valore da impostare | Descrizione | Tipo var. |
| 15 | 1 | 0 | D1 Function | h |

**Comando**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | 0 |  | Speed Control: 0= 0V; 65535= 10V | h |
| 2 |  |  | Bit 0 Start/Stop | h |
| 1 |  |  | PIN input:  2143 Reset controller  1234 Level 1  0010 Level 2 | H |

**Operation Condition**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variabile | Valore default | Valore da impostare | Descrizione | Tipo var. |
| 1 |  |  | Fw version | I |
| 2 |  |  | Controller Code | i |
| 11 |  |  | Status | i |
| 13 |  |  | Error Status | I |
| 15 |  |  | Speed | I |
| 16 |  |  | Current | i |
| 21 |  |  | Voltage | i |