

<i>fan control unit</i>		<i>System and fan control</i>

## Temperature fan control unit **1H00007300 /1/2**



### **Key features:**

- Compatibility with Hartmann Backplanes via Shelfmanager Interface
- Low cost solution
- Only approved technology
- 4-way adjustable fan characteristic through switch
- Number of fans adjustable on board (up to 6 fans)
- Manual fan control with pulse-width modulation (with potentiometer) or Temperature controlled fan control (with NTC - Sensor)
- LED indicators for voltages green/red only for cPCI
- LED indicators for fan blockade green/red
- Expanded interface for monitoring
- No additional power supply
- Compatible with Hartmann Electronic Power Entry Modul

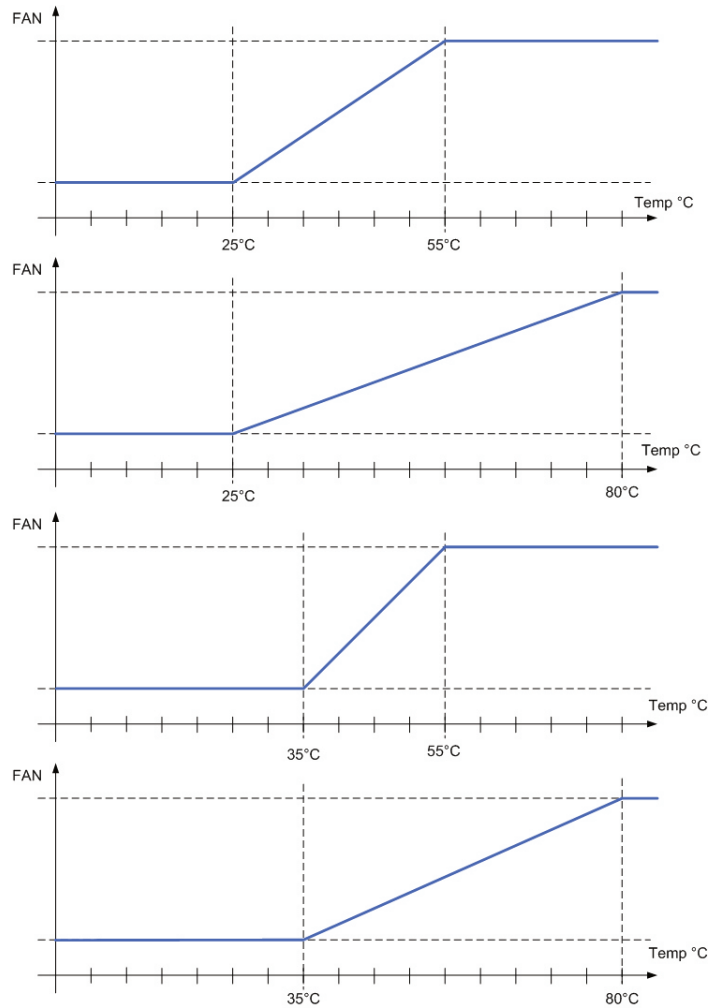
Dimensions  
B: 100 mm  
H: 12.93  
D: 87.1 mm

Order number: 1H00007300 /1/2



## Technical information:

### 1. Four different fan characteristics



### Fan speed regulation with temperature sensor. Fan-Speed-Switching

CU	SW1	SW4	SW6	SW2-X ON
CU1 from 25°C to 55°C	OFF	ON	OFF	3
CU2 from 25°C to 80°C	OFF	OFF	OFF	1
CU3 from 35°C to 55°C	ON	ON	ON	4
CU4 from 35°C to 80°C	ON	OFF	OFF	2



## Technical information:

*Tacho-Lock recognition (fans need to have speed indicator signal)*

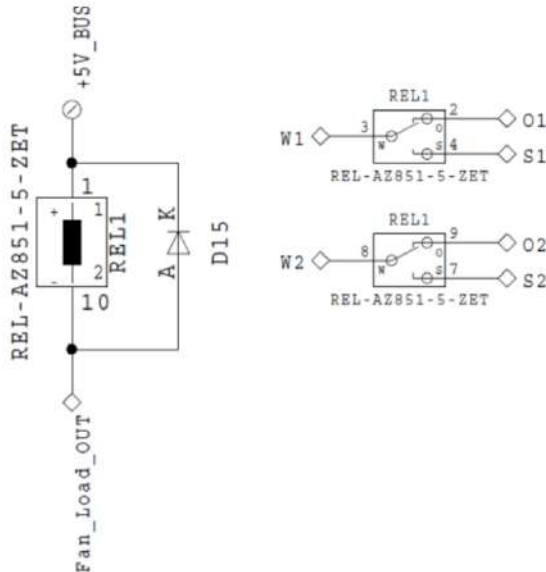
*if fan X (1-6) is not installed, switch Y(1-6) needs to be ON*

CU	SW7 Y1	SW7 Y2	SW7 Y3	SW7 Y4	SW7 Y5	SW7 Y6
Fan 1	ON	OFF	OFF	OFF	OFF	OFF
Fan 2	OFF	OFF	ON	OFF	OFF	OFF
Fan 3	OFF	OFF	OFF	ON	OFF	OFF
Fan 4	OFF	OFF	OFF	OFF	OFF	ON
Fan 5	OFF	OFF	OFF	OFF	ON	OFF
Fan 6	OFF	ON	OFF	OFF	OFF	OFF

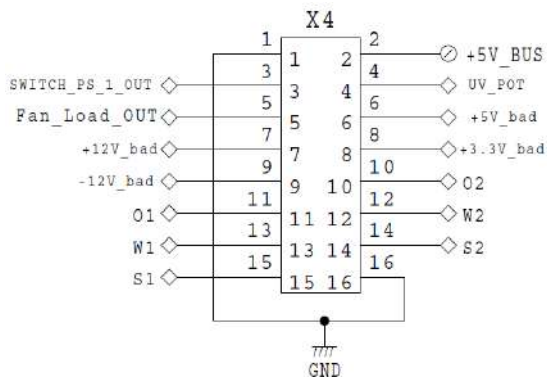
*Several fans can be installed,  
in that case the appropriate fans need to be set to ON (more than one  
is possible).*



## 2. Two relay outputs for warnings or monitoring



## 3. Expanded signal interface for connection options



## 4. Voltages and monitoring

- +5V good +4.88V to +5.32V
- +3.3V good +3.12V to +3.5V
- +12V good +11.473V to +12.756V
- -12V good -11.40V to -13.00V
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