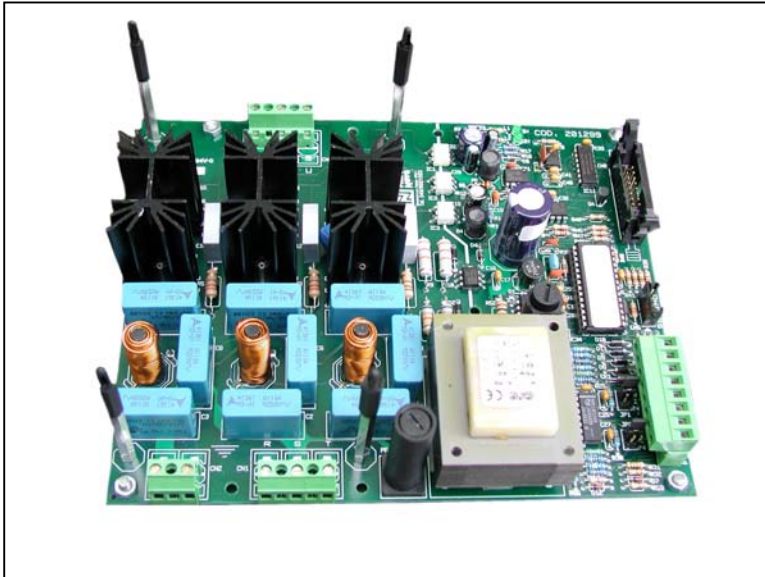


# ADR 80



**Electronical Fan speed Controller**  
**Pressure- or temperature controls**  
**for single- and three phase motors**  
**Current: max. 8 A**

**230V/400V/3Ph50/60Hz, 460V/3Ph/60Hz**  
**230V – 1 Ph – 50/60 Hz**

**EU-conformity CE**

Electronical filter according EMV - 89/336/EEC and ICE801-2 cl. 4

**Connections:**

**Power-supply:** Screw-type connections for max. 16 mm<sup>2</sup>

**Sensor:** Removable screw-type connections 2.5 mm<sup>2</sup>

**Technical Data:**

**Ambient temperature:**

-10 - 55 °C, Humidity: less than 90% R.F, not condensing

**Input:** 1x potential-free

**Analogue-Input:**

2 x Multifunction, 4 - 20mA, 0 - 20mA, 0 -10V, NTC (selectable)

**Serial Interface**

System Micronova Type RS 422 or RS 485 and connection to Modem, GSM

**Max. Starting-current :**

Double of nominal data for max.10 sec

**Available models:**

**ADR 80 – board - IP 24**

Dimensions:  
W x H x D: 198 x 160x 55 mm

**ADR 80 DP – in housing**

Protection IP 55  
Dimensions:  
W x H x D: 315 x 255 x 180 mm



**Model "DP" – IP 55**

**Integrated software:**

**Programmable by using multilingual LCD-Display**

**Languages:**

English, German, Italian

**Power-Supply**

Single- or three phase

**Dualset – control (Version 4)**

Also with two different sensors.

**Available Refrigerant data**

R22, R134a, R407C, R404A, R507, R410

**Pressure control:**

Data Input in Bar or °C

**Temperature control:**

between – 20 °C to 80 °C

**Speed regulation with external control**

Regulation by external signal 0-10V

**Programmable output-voltage:**

Maximum : 0% to 100%  
Minimum : 0% to 100%

**Fan-start with 100%**

Programmable between 0 to 10 sec.

**Identifying power-factor (cosφ) of the motor**

For improvement of the control

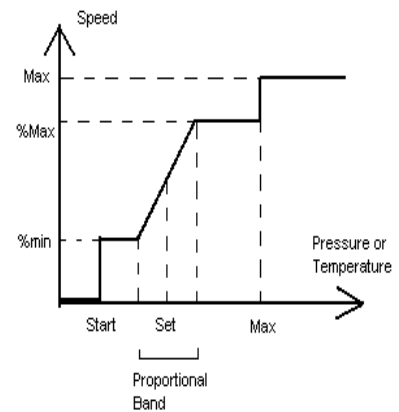
**Sensor and / or Pressure-transducer**

Programmable number, input-signal and max. working limits.

**Network software**

All ADR – controllers can be used and adjusted externally by using the **microvision** network software.

**The principles of ADR control**



**Accessories:**

**Remote-control LCD 2000**

with 4 push-buttons, two-lines - Display with 16 digits, height 5 mm, for installation in front door, IP 55 including connecting cord 0.9 m.

**PMT (PMK)– Pressure Transducer with 7/16UNF female thread Schrader**

4-20 mA, working-pressure: 7, 18 or 30bar.

**PMT-V Pressure Transducer with 7/16UNF Female thread Schrader**

0 – 10 V, working-pressure: 7, 18 or 30bar.

**NTC – temperature-sensor**

Standard length: 6 m

**SWPC – Software “microvision”**

Software for Supervision on Windows™ - Base und graphical Illustration.

**Remote-control by Modem**

Software for single remote-control or adjustment by PC.