MICROFAN®
dynamic solutions

ARGOS S2
Climate controller
for 1 room

- **Clear display & user-friendly operation**
- **Control of air inlet, dampers, fans and/or curtains**
- **Ventilation curves**
- **Room heating / cooling**
- **Humidity control**
- **Pressure control**
- **Sprinkler control**
- **Clocks (3) and counters (2)**
- **Power supply 12/24Vdc; e.g. for dampers and sensors**
- **Dynamic-Air fan control**
- **MicroSD card reader for back-up of settings**
- **Connectable with ARGOS S1 or PC/tablet/smartphone**

ARGOS S2

The ARGOS S2 is the latest innovative development of Microfan. The design of ARGOS S2 is based on the latest technologies.

This versatile climate controller is a complete system. It is appropriate to control different types of ventilation and other processes in a room such as light control or water consumption monitoring. In other words: "The ARGOS S2 controls all".

In the area of ventilation, the ARGOS S2 provides many controls: fan control w/o without damper, stage control, Dynamic-Air, air inlet control, pressure control, RH control, room heating, cooling and also sprinkler control.

Every house situation is different and the ARGOS S2 anticipates that very well. The installer adjusts the required settings for an optimal animal house automation. This way the farmer only uses the necessary functions and also retains the overview.

The ARGOS S2 is very user-friendly in operation. The graphic LCD display is beautiful and functional and has clear overview screens. This means that you can monitor immediately the situation in the room.

The ARGOS S2 controller is also equipped with a microSD card. With this card you can make a back-up in order to save all settings.

By extending the ARGOS S2 controllers with LMN communication you will have the benefit that all connected devices will work with one and the same outside temperature. Optionally, the ARGOS S2 can also be connected to the ARGOS S1 central overview and monitoring computer. This gives you also the possibility to access the ARGOS S1 via PC, tablet or smartphone.

The ARGOS S2 contains a temperature-detection-alarm. If the temperature increases too rapidly the warning will be activated. If necessary it is possible to assign a separate output for the fire alarm.

The ARGOS S2 is available in the following versions:

ARGOS S2-SL (w/o without LMN module)	With 4x 0-10V control
ARGOS S2-SL E3 (w/o without LMN module)	ARGOS S2-SL including ARGOS E3 extension board
ARGOS S2-SL E4 (w/o without LMN module)	ARGOS S2-SL including ARGOS E4 extension board

ARGOS S1 (CENTRAL HMI) **ARGOS S2 (E3/E4)** **ARGOS E1/R8** (REMOTE I/O UNIT)

LMN   LMSN

Technical specifications	ARGOS S2-SL	ARGOS S2-SL E3	ARGOS S2-SL E4
Housing	Plastic IP54	Plastic IP54	Plastic IP54
Dimensions (WxHxD)	260x230x135mm	260x230x135mm	260x230x135mm
Power supply (50 / 60 Hz)	110Vac – 240Vac 50/60Hz	110Vac – 240Vac 50/60Hz	110Vac – 240Vac 50/60Hz
Temperature	-10° till 45°C	-10° till 45°C	-10° till 45°C
Measured capacity	max. 45VA	max. 45VA	max. 45VA
Fuse secundary	T2A	T2A	T2A
Temperature inputs / 0-10V inputs	6	9	9
Measurement temperature inputs	-70,0°C till 130,0°C (NTC)	-70,0°C till 130,0°C (NTC)	-70,0°C till 130,0°C (NTC)
Digital inputs	8	8	11
Analog outputs	4 x 0-10V minimal	4 x 0-10V minimal	8 x 0-10V minimal
Relay (potential free)	3 x max. 24Vac/dc 2 Amp. 1 x max. 230Vac 5 Amp.	9 x max. 24Vac/dc 2 Amp. 1 x max. 230Vac 5 Amp.	6 x max. 24Vac/dc 2 Amp. 1 x max. 230Vac 5 Amp.
Alarm relay	1 x max. 24Vac/dc 2 Amp.	1 x max. 24Vac/dc 2 Amp.	1 x max. 24Vac/dc 2 Amp.
Local Microfan Network (LMN)*	✓	✓	✓
Local Microfan Slave Network (LMSN)**	✓	✓	✓
Temperature sensor	ARGOS TV / ARGOS TV-20	ARGOS TV / ARGOS TV-20	ARGOS TV / ARGOS TV-20
MicroSD meant for back-up and update	FAT16/32	1GB-32GB	FAT16/32	1GB-32GB	FAT16/32	1GB-32GB
Approval	CE	CE	CE

*   A LM(S)N communication module is required for communication with the LMN network.

** A LM(S)N communication module is required for communication with slave I/O units within the LMSN network.

Modifications reserved

Your dealer