

SCORPION - 100

SCORPION - 100 FEATURES

The **Scorpion S-100** is designed in small form with dual-ethernet connection to realize a **fully high speed (100Mbps) distributed** building management system, comparing to low speed bus system. Using 220VAC power supply, the S-100 controller can be installed at any position without a power converter or a transformer.

The S-100 is used to manage a wide range of sub-system components as pump, fan, valve, lighting... with **100+ predefined programs**. S-100 is the first BMS DDC that supports predefined programs and custom program together. S-100 can be programming by block-programming-software **Scorpion Studio**, which contains variety of function blocks for HVAC and other application.

With dual-ethernet connection, the S-100 can be installed in a **ring topology** with the help of a switch using spanning tree protocol, therefor increase the availability of the system.

Containing **led indicators** for 8 UI and 6 DO, **H-A-O switches** for 6 DO and 2AO, 100+ predefined programs, the S-100 controller helping the engineer to T&C faster and easier.

Scorpion Design Tool can help to design a building management system using S-100 controller, generate design point schedule, project BOQ and panel drawing...

Scorpion Management Tool can manage the S-100 controllers' status and download controller configuration without the help of an expert.

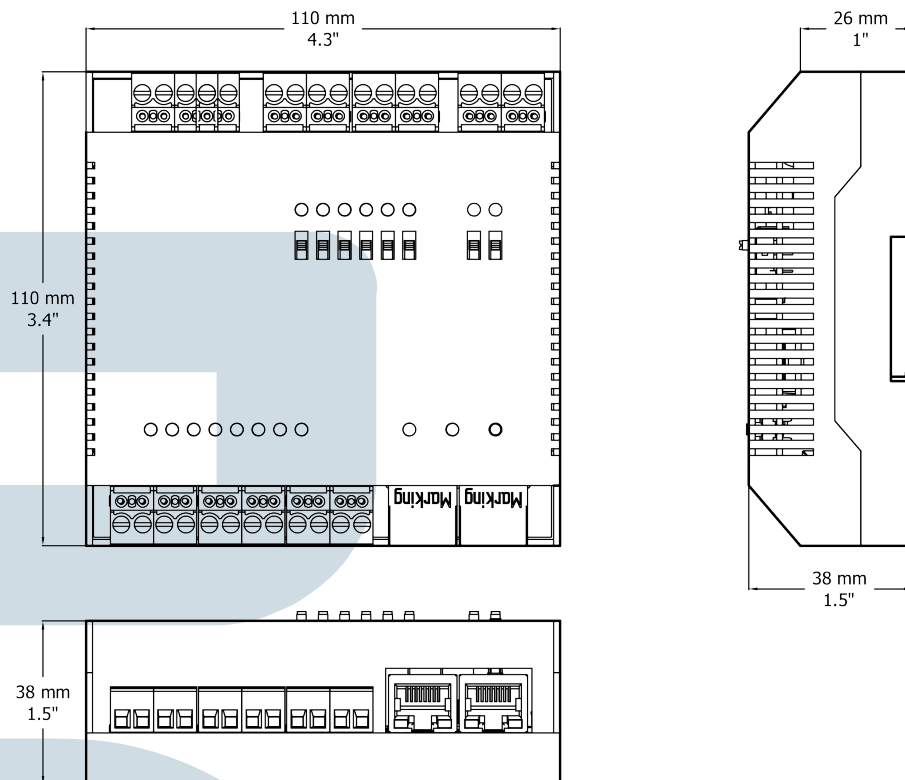


SCORPION
by **LEFA**

Specification
ARM® Cortex®-M7 STM32F7 Microcontroller IC 32-Bit 216MHz
512KB RAM, 8KB EEPROM
16 MB Flash
Power supply 220VAC+-10%
Power consumption < 10W
(2) 10/100 Mbps Ethernet ports
Real time clock
8 UI (Dry contact / 0-10V / Pt1000 / NTC20k) 2 AO (0-10V); 6 DO (3A Relay)
8 DI & 6 DO led indicators
8 H-A-O switches
100+ predefined programs

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Dimension



Environment

- Operating temperature : 0 - 60°C
- Storage temperature : -20 - 85
- Humidity : 5% - 95%
- MTTF : 3 years ++

Protocol

- BACNET / IP
- HTTP / s
- Telnet
- FTP
- Modbus TCP
- LefaNet

Order Information

Part number	Description
S-100	<ul style="list-style-type: none"> – Operating voltage 220VAC +/- 10% – Power consumption: <10W