Technical Details	
Electrical Specifications	
Mains Voltage (VAC)	100 - 240
Mains Frequency (Hz)	50 - 60
Power Consumption (W)	0.5 - 2.5
Controller Max. Amperage (A)[1]	2 or 4
Internal Fuse	T2A / 250V Slow Blow
Protection Category	IP40
Protection Class	II
Overvoltage Category	II
Degree of Pollution Category	II
Network Connections	
Network Connections	CAN Bus
Real Time Clock	RTC / 24hr Power Reserve
Max Cable Lengths to Sensors & Appliances	
Collector / Outdoor Sensor (ft)/(m)	< 29 / 30
Other PT1000 Sensors (ft)/(m)	< 32 / 9.75
VFS / RPS Sensor (ft)/(m)	< 9 / 9.75
CAN (ft)/(m)	< 9 / 9.75
PWM / 0…10V (ft)/(m)	< 9 / 9.75
Electronic Relay (ft)/(m)	< 9 / 9.75
Mechanical Relay (ft)/(m)	< 32 / 9.75
Acceptable Ambient Conditions	
Temperature for operation (°F)/(°C)	32 - 104 / 0 – 40
Temperature for transport / storage (°F)/(°C)	32 - 140 / 0 – 60
Air Humidity for operation (@77°F)	85%
Air Humidity for transport / storage	no moisture condensation

[1]Standard SmartMaxx Pro L4 max. amperage is 2A. The product version can be updated to 4A if needed - please call your sales representative.

Certifications & Standards

- ✓ CAN/CSA E60730-2-9-1 (R2007)
- ✓ UL 60730-2-9 (Ed. 1)

Accessories

- ✓ SmartMaxx-SENSOR-PT1000-HT – with guaranteed degree-accuracy according to DIN EN60751 (IEC751) - ensure precise recognition of the temperature difference and optimum use of energy.
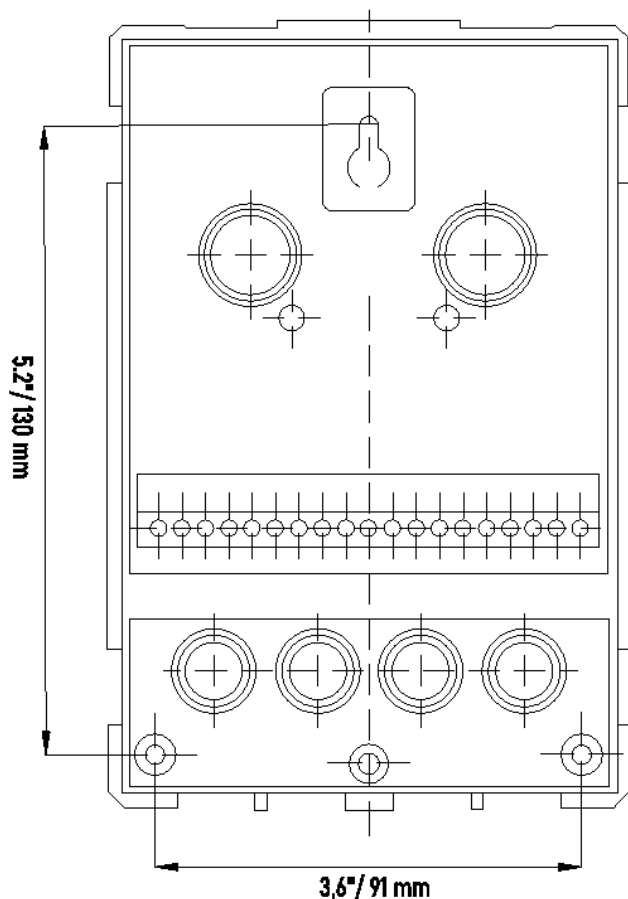
Other specifications & Dimensions

Housing Design	3-Part, ABS Plastic
Installation Method[2]	Wall / Panel
Overall Dimensions (in)/(mm)	6.42 x 4.33 x 2.04 / 163 x 107 x 52
Aperture Installation Dimensions (in)/(mm)	6.18 x 4.17 x 1.22 / 157 x 106 x 31
Display	Full Graphical / 128 x 64 dot

[2]SmartMaxx Pro L4 can be mounted with using screws and plugs as shown in the picture. Items are not included in the set.

Terminal Connection Details

Terminal	Connection
R1	Relay 1
R2	Relay 2
R3	Relay 3 (normally open)
R3 |	Relay 3 (normally closed)
L	Mains Phase Conductor L
R	Mains Neutral Conductor R
Relay Rated Load (A)	2 / 4 (depending on the fuse)

5.2" / 130 mm

3,6" / 91 mm

x 3 3.5x30 mm / 0.14x1 ¼"

x 3 Ø 6mm / ¼"

[3]**Operation of relays:** Relays which are operating in SmartMaxx Pro L4 have different capacity that the device! Solar controllers are fused at 2A or 4A depending on a version. If the solar system requires a solar pump (UniMaxx Series) which operates on a higher amperage please consider higher fused version. Otherwise the controlling device might be damaged. Please get familiar with product datasheet and call your sales representative.