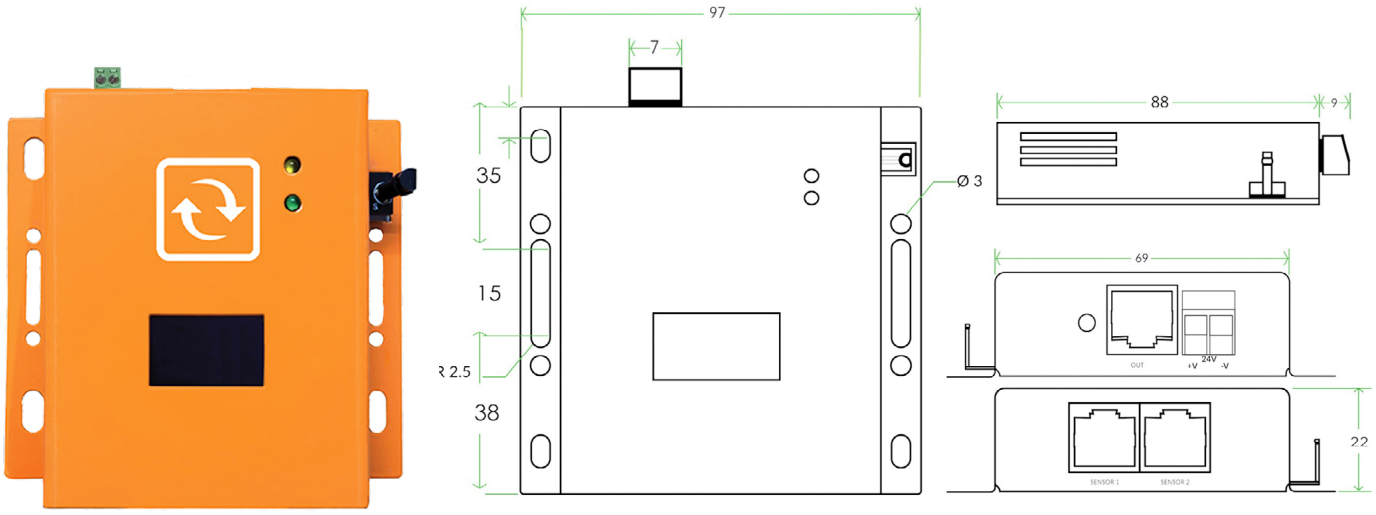
Base Unit (BASE-SM-5-24V)



units in mm

Compared to the regular base unit, the BASE-SM-5-24V is equipped with a terminal block for power connections, offering a more secure and industrial-grade alternative to the traditional barrel jack. This design enhances its suitability for industrial environments where reliability and robustness are essential.This Base Unit seamlessly supports all SwitchMon-compatible sensors, except for Gas sensors, enabling real-time environmental and infrastructure monitoring for comprehensive facility management.

Sensor Metrics:

TCP/IP	IPv4 at 10/100 Mbps
Network data transfer	SNMP GET (50 - 130 bytes) , SNMP Trap (143 - 280 bytes)
Built-in	Web server, SNMP v2 & v3 (MD5/AES), Modbus TCP
Built-in alerting options	Email, voice call or SMS
Network protocol	DHCP or status IP

Supported Sensors:

ENV-XX	PWR-XX
IND-XX	SEC-XX
THIMG-XX	

Technical Specifications:

Powered by	It is powered via PoE or 12v DC to 24v DC input via the terminal block
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Power usage	684 mW (without sensors attached)
Industrial protocols	SNMP and Modbus TCP Modbus RTU with ADDON

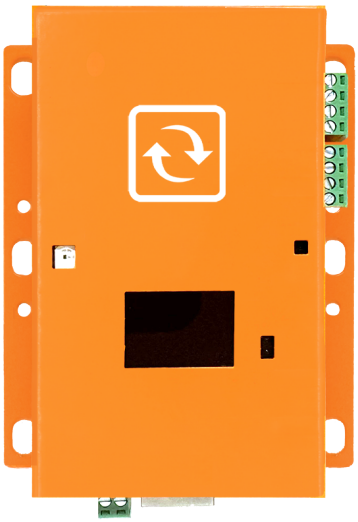
Environmental Specifications:

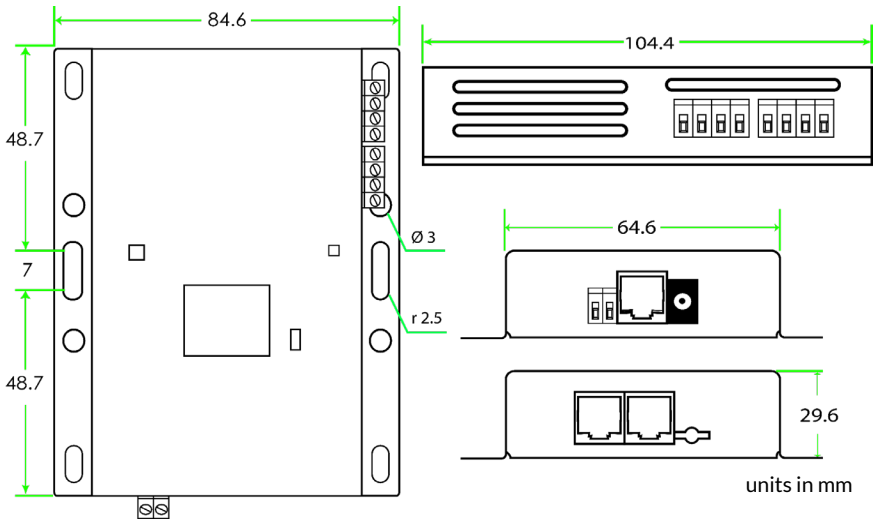
Operating temperature range	0°C to +75°C (32°F to +167°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

Physical Specifications:

Sensor enclosure	Steel enclosure, industrial grade
Mounting option	0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions	97mm (3.82”) x 88mm (3.46”) x 22mm (0.87”)
Weight	189.8g (0.42lbs)

Base Unit (BASE-SM-6)





The BASE-SM-6 is an updated version of the Base Unit that includes new built-in features, such as RS485 on a terminal block with 1 relay output. This base unit serves as t he foundational unit for our entire SwitchMon sensor. It boasts a data memory of QSPI 256Mbit and allows for the insertion of an SD Card. Additionally, it has two status LEDs on the PCB.

Sensor Metrics:

Relay output	1
TCP/IP	IPv4 at 10/100 Mbps & IPv6
Network data transfer	SNMP GET (50 - 130 bytes) , SNMP Trap (143 - 280 bytes)
Built-in	Web server, SNMP v2 & v3 (MD5/AES), Modbus TCP
Built-in alerting options	Email and SNMP traps
Network protocol	DHCP or status IPv4
Security	HTTPS TLS 1.2, Email TLS

Supported Sensors:

ENV-XX	PWR-XX
IND-XX	SEC-XX
THIMG-XX	

Technical Specifications:

Storage	2GB of on-board data (sensor) logging
Powered by	It is powered via PoE or 12v DC to 24v DC input via the terminal block
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Power usage	684 mW (without sensors attached)
Industrial IP protocols	SNMP, Modbus RTU, Modbus TCP, TLS, (HTTPS), MQTT

Environmental Specifications:

Operating temperature range	-25°C to +70°C (13°F to +158°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

Physical Specifications:

Sensor enclosure	Steel enclosure, industrial grade
Mounting option	0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions	84.6mm (3.33”) x 104.4mm (4.11”) x 29.6mm (1.17”)
Weight	211g (0.47lbs)