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Modbus Adapter Manual

Modbus Adapter (MOD-A)

Convert RJ45 to 3-Pin Connection

Easily convert the MOD/EXP port on sensorProbeX+ from CAT5 to 2 wire Modbus serial cable.

sensorProbeX+ comes equipped with an RS485 Modbus and Expansion port. When using this RJ45 port to connect Modbus appliances, the Modbus Adapter makes it easier to connect a 2 wire serial bus cable to the RJ45 port, converting the RJ45 connector into a 3 pin terminal block connection.

These new sensors make it easier and a more simplified way to connect to third party Modbus devices using the green Phoenix 3 pin connectors. With this adapter, you don't need to crimp the RS-485 connector and make the wiring yourself.
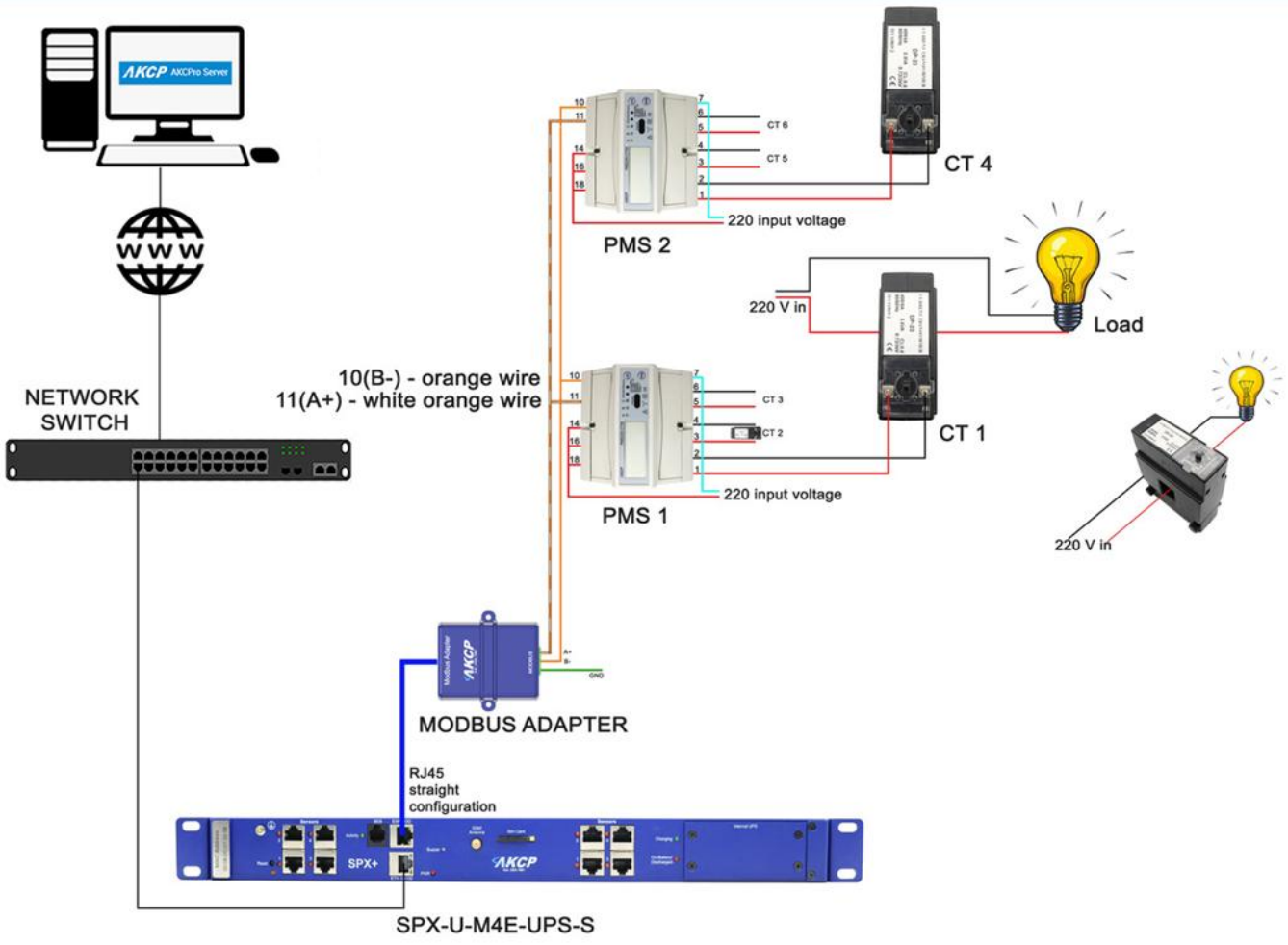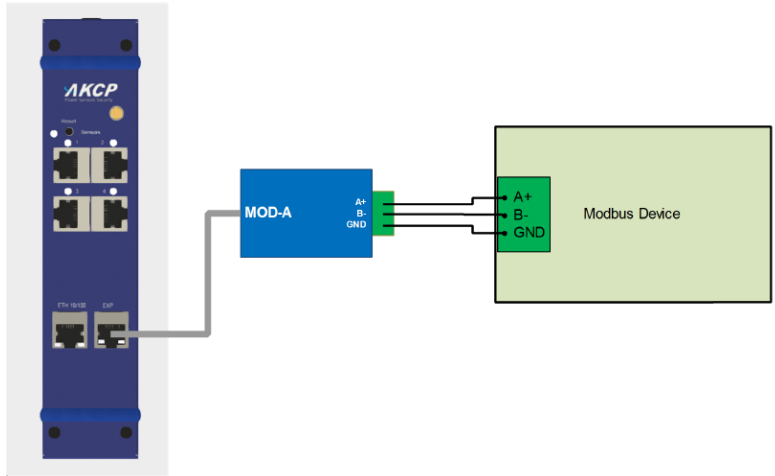
You can find additional information about configuring the Modbus features on the SP+ family in the separate Modbus manual.

Very Important Note: this sensor is not isolated (does not have an isolated ground), so you need to make sure it is properly grounded when connecting to third party equipment.
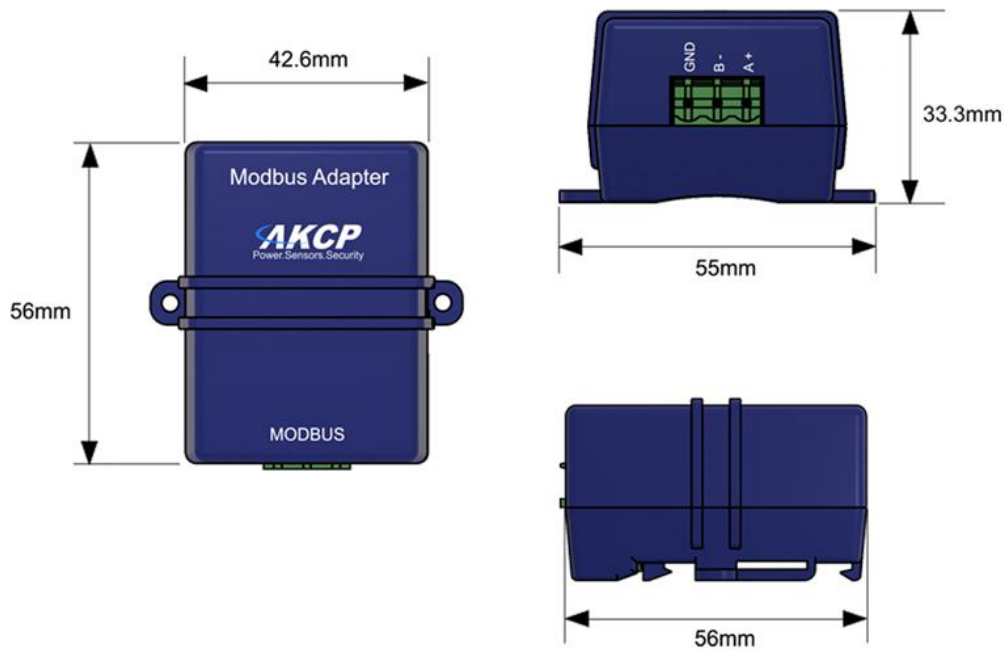
Connection Diagram

Wiring Diagram & Wiring Example of 2 x AKCP PMS

Dimensions

Output pinning of each sensor adaptor configurations

ADAPTOR TYPE		MODBUS
Switch Position		
LED ON		
Switch Functionality		
CON3 PIN	1	A+
	2	B-
	3	GND

Please contact support@akcp.com if you have any further technical questions or problems.

Thanks for Choosing AKCP!