Manuals+ — User Manuals Simplified.

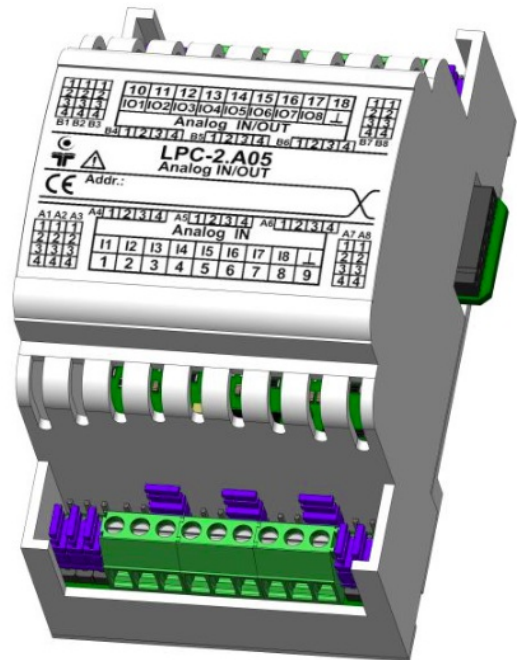# SMARTEH LPC-2.A05 8AIO 8AI Analog I/O Module Owner's Manual

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Contents

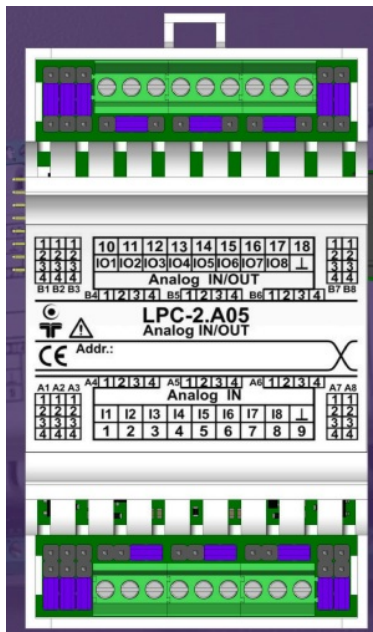## INTRODUCTION

Discover the versatility of the LPC-2.A05 universal analog module

The LPC-2.A05 module is a cutting-edge universal analog module designed to provide a wide range of analog input and output options to meet diverse application needs. LPC-2.A05 module features 8 configurable analog inputs (I1 to I8) and 8 configurable analog inputs or outputs (IO1 to IO8), supporting a total of up to 16 analog inputs and outputs.
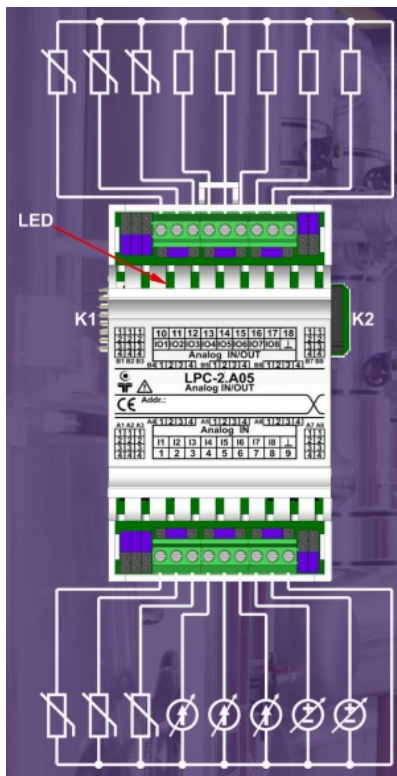
Experience superior performance

Enhance your system's capabilities with the LPC-2.A05 module. Its innovative design, versatility, and ease of use make it the perfect choice for professionals seeking reliable and flexible solutions.

Seamless and versatile control with a Smarteh PLC main module

The LPC-2.A05 module can be seamlessly controlled from the main PLC main module (e.g., LPC-2.MMx, LPC-2.MC9). Module parameters can be easily read or written via Smarted IDE software.

KEY FEATURES & BENEFITS

Configurable channels

Each input channel I1 to I8 can be individually set for analog voltage input, analog current input or thermistor input. The IO1 to IO8 channels can be individually configured as thermistor inputs, analog voltage output, analog current output or PWM output.
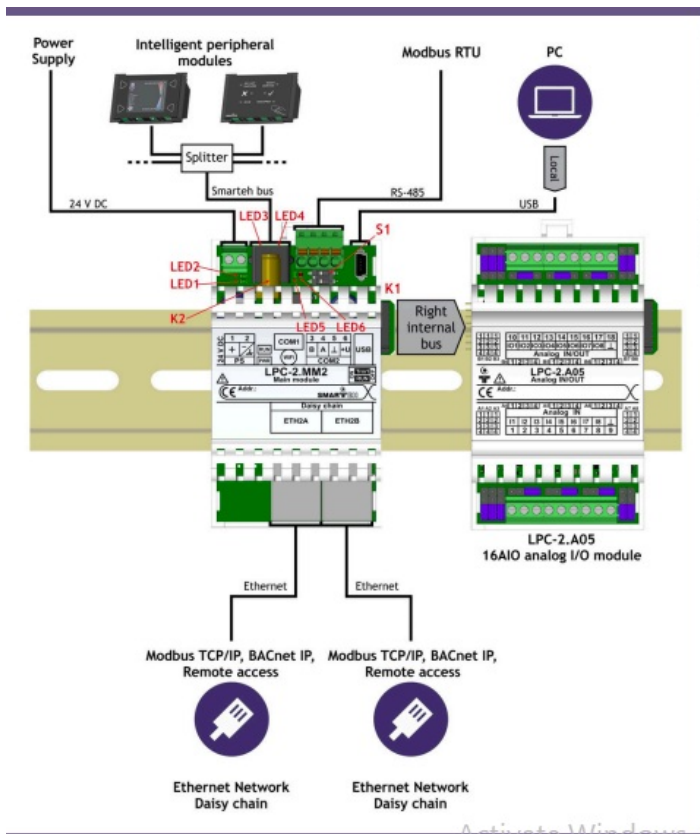
Temperature measurement

Thermistor input supports various thermistors, including NTC, Pt100 and Pt1000 making the LPC-2.A05 module ideal for precise temperature measurements.

PWM output

The PWM output complies with VDMA 24224 standard and is capable of generating a pulse width modulation signal, making it perfect for applications such as motor speed control or LED dimming.

KEY FEATURES & BENEFITS

Control and compatibility

The LPC-2.A05 module can be efficiently controlled by a Smarteh PLC main module such as LPC-2.MC9 or LPC-2.MMx, providing flexibility and scalability for various system configurations.

Flexible configuration

Functionality for each channel is easily selectable via a physical jumper on the LPC-2.A05 module and by configuring the appropriate register settings.

Integrated power supply

The module is powered through the internal bus, ensuring seamless integration and reliable performance.

KEY APPLICATIONS

Industrial automation
Optimize processes with precise analog and PWM outputs.
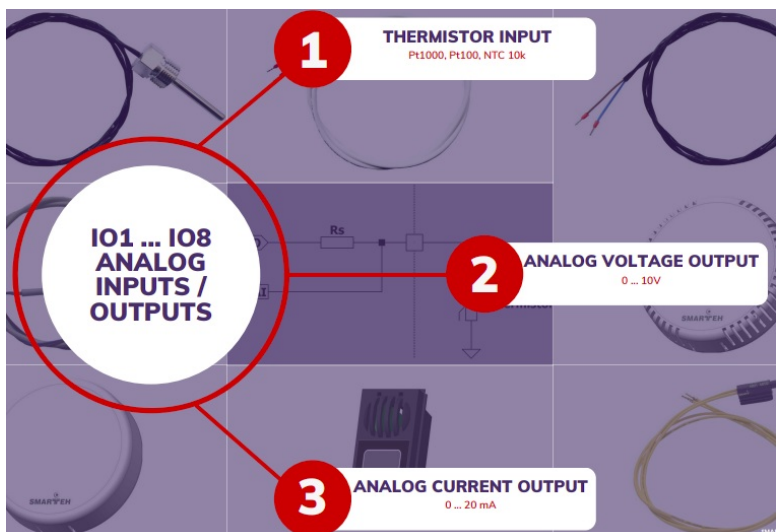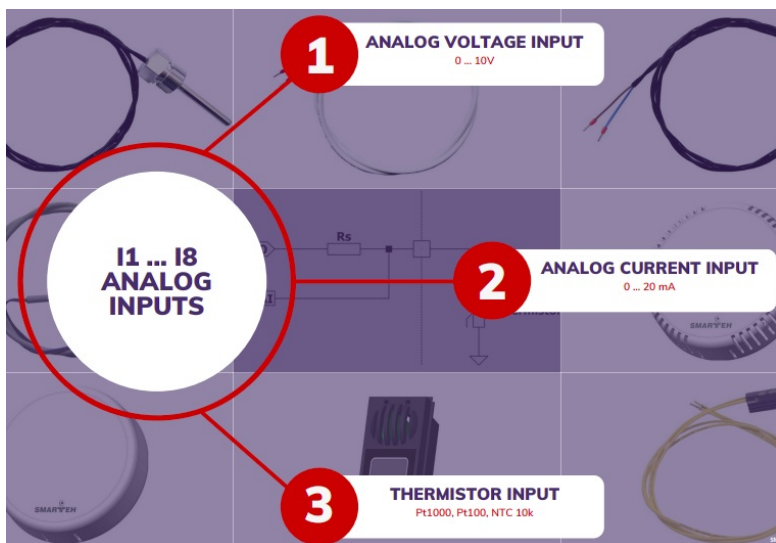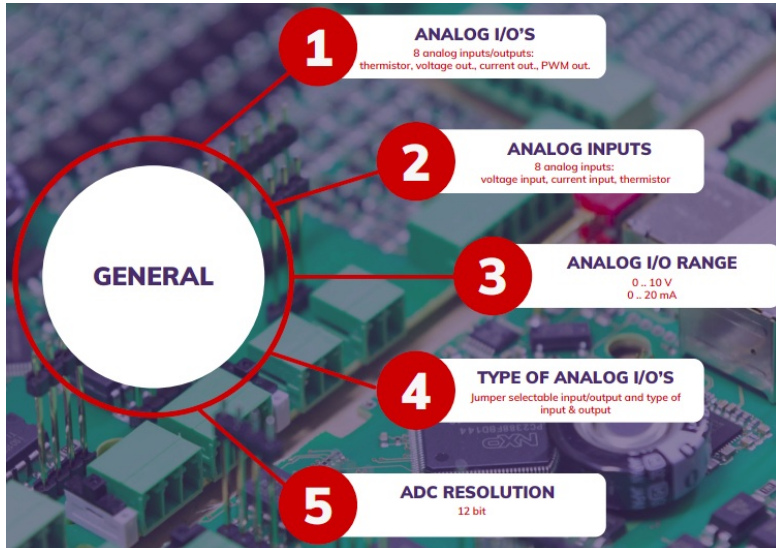**Temperature monitoring**
Accurately measure and control temperature with thermistor inputs.
Motor control
Efficiently manage motor operations with PWM outputs.
Lighting control
Achieve optimal lighting conditions using dimming capabilities.

Documents / Resources

	SMARTEH LPC-2.A05 8AIO 8AI Analog I/O Module [pdf] Owner's Manual LPC-2.A05, LPC-2.MMx, LPC-2.MC9, LPC-2.A05 8AIO 8AI Analog IO Module, LPC-2.A05, 8AIO 8AI Analog IO Module, 8AIO Analog IO Module, 8AI Analog IO Module, Analog IO Module, Analog Module, IO Module, Module

References

- **User Manual**