Technical

Airmaster S1 – A04.1_EN

Identification: Product Family: Definition: Function: Part number: Software: Supported protocol:

Airmaster[™] PLC (pre-programmed logic controller) Compressor / motor control, I/O monitoring and protection device Refer to Product guide / price list for specific part number or contact dealer Pre-programmed application software, configurable via password protected OUI Airbus485, Modbus RTU (via gateway), Profibus DP (via gateway) and DeviceNet (via gateway)

Airmaster[™] sets the standard for preprogrammed logic controllers in air compressor, vacuum and related applications. Why? For nearly 30 years, Airmaster[™] products have pioneered developments in compressed air and vacuum application PLC's, ensuring our customers remain at the forefront in their chosen area of expertise. Our continued commitment to product development has positioned Airmaster[™] as the global leader and choice solution for compressed air and vacuum application PLC controls.

S1

By choosing Airmaster[™], our customers benefit from time savings, cost savings and faster development cycles, the result of Airmaster[™] application hardware and software attributes.



By choosing Airmaster[™] our customers don't just get a machine PLC. Airmaster[™] is complimented by Metacentre[™], a complete range of application system solutions. Metacentre[™] products include multiple compressor and vacuum 'system controllers', distributed I/O devices for ancillary control and monitoring and a range of software solutions for networking, monitoring and trending purposes. For more information on the Metacentre[™] range of system solutions, visit the Metacentre[™] micro site @ www.metacentre.eu.

Like all Airmaster™ products, S1 is designed with a core application focus. This focus positions Airmaster™ S1 as an advanced

embedded control solution with features and functionality that enable implementation across a wide scope of applications and control solutions. Using an ST10R272 processor, product features are arranged to ensure a cost effective and feature rich PLC with options that enhance where required. This approach ensures that the incremental cost of lesser used or more exotic features is not levied across all controllers.

A variety of front plate and keypad options exist

Additionally, Airmaster[™] S1 is compatible with both XPC (Airmaster[™] S1 enclosure mounted I/O) and XPM (35mm DIN rail mounted I/O) input / output option cards, together making Airmaster[™] S1 a truly scalable product solution

Airmaster™ S1: scalable I/O options...





XPC Di8R4: 8 x digital input, 4 x relay outputs XPC Ai4: 4 x analogue inputs



XPMDi8R4: 8 x digital input, 4 x relay outputs XPM AO2: 2 x Analogue outputs XPM Ai4: 4 x analogue inputs

Airmaster[™] S1 features a backlit 65mm x 34mm graphic display complimented by an ergonomically engineered membrane switch keypad. Both are conveniently arranged for easy and intuitive access and interrogation of Airmaster[™] S1's software menus.

A variety of input and output connections are conveniently arranged to the rear of the controller (see over).

Airmaster[™] S1 is assembled in a ruggedized housing with an IP65 rating once installed in the host air compressor or vacuum pump.

Like other Airmaster[™] products, S1 carries CE, UL and CSA regulatory approvals.





