



SPA-ADV

Pendant control station with display



Advanced version of the SPA pendant control station, with integrated data acquisition system.

It features a **high resolution color graphic display**, suitable for displaying measurements and information about the system where the control station is installed.

It can condition and amplify signals from many transducers, whose data are then processed and made available as a digital or analogue protocol, at the same time as being displayed on the LCD.

It also features an overload monitoring function with 2 programmable set-points for each of the 2 relay contacts and it is equipped with an extremely stable transducer excitation generator to provide precise bias to Wheatstone bridges and PT100 transducers.

The acquisition unit is also provided with 2 analog channels for measuring the same number of transducers, configurable and with calibration and linearization capabilities up to 10 segments.

It is specially designed for reading load cells, strain gauges, pressure transducers, PT100, PT500, potentiometric displacement transducers, conditional LVDT.

CERTIFICATIONS

Conformity to Community Directives	2014/35/UE Low Voltage Directive
	2006/42/CE Machinery Directive
Conformity to UKCA Directives	Supply of Machinery (Safety) Regulations 2008
	Electrical Equipment (Safety) Regulations 2016
Conformity to CE Standards	EN 60204-1 Safety of machinery - Electrical equipment of machines
	EN 60947-1 Low-voltage switchgear and controlgear
	EN 60947-5-1 Low-voltage switchgear and controlgear - Control circuit devices and switching elements - Electromechanical control circuit devices
	EN 60529 Degrees of protection provided by enclosures
	ISO 13850 Safety of machinery - Emergency stop - Principles for design
Markings and homologations	CE ENEC UKCA

GENERAL TECHNICAL SPECIFICATIONS

Ambient temperature	Storage -40°C/+70°C
	Operational -25°C/+70°C
IP protection degree	IP 65
Insulation category	Class II
Cable entry	Rubber cable sleeve (Ø 14÷26 mm)
Operating positions	Any position

ELECTRICAL SPECIFICATIONS

Supply voltage	24 V ±20%
Max. current	100 mA @ 24 V
Input analog range	3.2 mV...5 V differential
	100 mV...10 V single terminal
Vexc. range	1 V...10 V
ADC resolution	10000 div.
Measuring accuracy	± 0.25%
Calibration	Up to 10 segments
Analog output	12 bit current
Digital output	RS-485
	CAN
Overload threshold relay	5 A, 24 / 125 / 230 Vac

