

CONTROL SYSTEM AWS-DIGITAL

Digital control system for the control of MFC gas mixing systems with all advantages of modern, digital technology.

Benefits

- intuitive operation by cursor keys:
 - to change the gas flow maintaining a constant gas mixture
 - to change the gas mixture maintaining a constant gas mixture flow
- high process reliability by monitoring of adjustable limit values. Alarms switch a potential free contact. This stops e.g. your process avoiding quality and safety risks
- simple, quick change between different flame settings by external selection of stored parameter sets (by PLC or BCD switch). Simple control of complex flame picture sequences for productivity and repeatability
- storing of necessary time-lags for switching the MFC on and off, avoiding dangerous flashbacks providing more safety; reduction of control requirements to a single 24 V DC signal
- easy adjustment of all parameters (limit values, MFC measuring range etc.) after a short training



- monitoring of gas consumption for each single gas or the gas mixture during selectable periods for an easier cost control
- easy to read LC display
- convenient change of the following display modes:
 - flowrates of the single gases
 - gas mixture flow and percentages
 - accumulated consumption of both gases

Product Information

Type	control unit AWS-digital, 2 channels
Temperature	0 °C to 50 °C (30 °F to 120 °F)
Actual value	gas mixture flow and percentage of gas 1 flow rates of the single gases
Set point	adjustable by arrow keys
Alarm contacts	potential free contact 3 A/230 V 50-60 Hz
Display	2-line, 16 character illuminated LC-Display; scale and units adaptable
Digital Inputs	4 x 24 V DC to select 1 of 16 stored parameter sets
Interface	RS 232 to transmit current values and settings

Housing	black polyamide case according to DIN 43700
Weight	1.2 kg
Dimensions (HxWxD)	96 x 96 x 166 mm (3.78 x 3.78 x 6.53 inch)
Voltage	230 V/50-60 Hz or 100 V/50-60 Hz
Power consumption	max. 300 mA

Approvals	Company certified according to ISO 9001:2000 and ISO 14001 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC
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Technical Data