ADSORPTION DRYER CONTROLLER ADC 2.2
(for A/B/F/HP-DRY series)

DESCRIPTION

Adsorption Dryer Controller ADC 2.2 has been developed for controlling the processes of PSA (Pressure Swing Adsorption) systems. ADC 2.2 can control four valves of a desiccant dryer in a *fixed mode* (fixed time adsorption-regeneration cycle mode) or a *dew-point dependant mode*. In *dew point dependant mode* ADC 2.2 maintains the dew-point by modifying adsorption cycle time thus ensuring efficient and economic operation.
ADC 2.2 also has the energy saving stand-by feature and the additional condensate drain control feature.

ADC 2.2 is designed upon ADC 2.0 design and provides a larger housing and power supply that provides the possibility of installation of module expansion for more demanding applications.

APPLICATIONS

- Desiccant dryers

TECHNICAL SPECIFICATIONS

PLC Manufacturer	SIEMENS	
Circuit breaker	included	
Transformer input voltage	100…240 V	
Transformer input current	0,7…0,35 A	
Transformer supply frequency	50-60 Hz	
Digital input - Stand-by contact	24VDC	
Analog input - Dew-point sensor	4-20 mA	
Relay outputs rating – Inductive load	3 A	
Relay outputs rating – Resistive load	10 A	
Operating temperature	1,5 – 55°C	35 – 131 °F
PLC certificates	UL, CSA, FM	
PLC conformity	VDE 0631, IEC1131, EN 55011	
Housing protection class	IP 65	
Dimensions A x B x C [mm] (height, width, depth)	290 x 300 x 140	
Mass	2 kg	

Module expansion option 1	4 x Digital input, 4 x Relay output
Module expansion option 2	2 x Analog output

MAINTENANCE

ADC 2.2 doesn't contain any parts that require regular maintenance. Visual check of controller is recommended while preforming maintenance on the dryer.

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