

## AC Series - Technical Data

AC STATION		AC10	AC15	AC20	AC30
<b>Inputs and outputs</b>					
Analogue input	1..5 Vdc/0..5 Vdc, (impedance>10M ) – 4..20 mA / 0..20 mA (with external shunt) Accuracy 0,1 %, Resolution 16 bit	4	2-4**	8	8
Digital Input	Passive opto-isolated. Voltage: On 8..36 Vdc, Off 0..1,5 Vdc	8	8	8-32*	8-32*
	Frequency input. Configurable Range 200 Hz, 2KHz, 20KHz -				
Analogue Output	Galvanically isolated from the inputs, 1..5 Vdc / 0..5 Vdc; 4..20 mA/ 0..20 mA (on 500 ) – Resolution 13 bit	4	2	4-8*	4-8*
Digital Output	Isolated, solid state relay. Max Load: 300 mA and 30 Vdc / Vac. Protected with auto-resetting fuse	8	8	8-32*	8-32*
Expansion Units	For the addition: 4 analogue output, 24 digital inputs, 24 digital outputs	-	-		
<b>Control</b>					
Sampling Time	Adjustable from 100 ms to 10 s				
PID Management	Independent loops Advanced PID algorithm, two degrees of freedom type, with Feed-Forward Gain Scheduling Advanced "In Tune" natural frequency type	1..4	1..2	1..4	1..4
Control Strategies	Resident Preprogrammed Preprogrammed available on disk Freely programmable with PC and AC.Prograph	12 - -	12^	12	12
Sequences	Max number of active sequences modules Max steps per sequence module Programs/ Sequences per Module Analogue Output per Module Digital Output per Module	- - - - -	- - - - -	- - - - -	4 100 16 2 16
Real Time Clock	Hardware with battery back up Events on a weekly basis Max Number of Events	- - -	- - -	- - -	  56
<b>Communication</b>					
RS 232	Configuration and Programming				
RS 485	Modbus and Jbus (slave) protocols				
RS 485	Expansion Units	-	-		
Network 2.5 Mb/s	Peer-to-peercommunication	-	**		
<b>Physical and Environmental</b>					
Weight	1700 gr. Max				
Front Panel Protection	IP 54				
Power Supply	Tipo switching: 100..240 Vac, 50/60 Hz oppure 18..28 V, 50/60 Hz o 20..30 Vdc				
Consumption	20 VA max				
Auxiliary supply	24 Vdc/300 mA max				
Electromagnetic Compatibility	EN 55011, EN 50081-2, EN 50082-2				
Operating Conditions	KWF per DIN 40040				
Working temperature	0..50°C				
Storage temperature	-20..+60°C				
Humidity	10..90% not condensing				
*with external expansion unit **option for AC15 ^relevant for AC15 Hardware Standard Option –Not available					

## Model selection guide

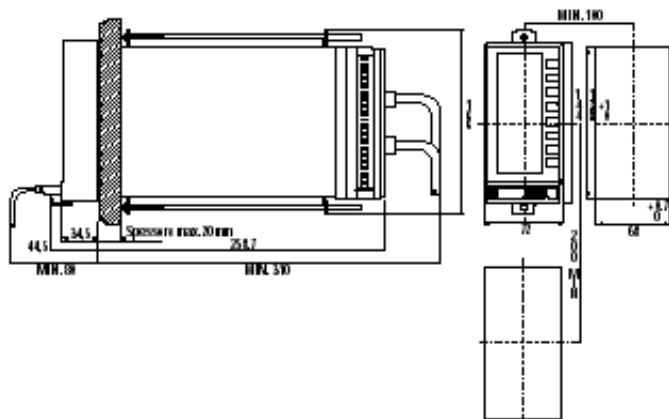
AC XX A B C D 00.

<b>Model</b>	<b>XX</b>
DIN 72x144 DIN, depth 260 mm	10
DIN 72x144 DIN, depth 260 mm	15
DIN 72x144 DIN, depth 260 mm	20
DIN 72x144 DIN, depth 260 mm	30
<b>Power Supply</b>	<b>A</b>
100-240V~ 50/60 Hz	3
18..28V, 50/60Hz o 20..30 Vdc	5
<b>Spare Lamp</b>	<b>B</b>
Not fitted	0
Fitted	1
<b>Expansion Unit Port (option)</b>	<b>C</b>
Not fitted	0
Fitted [1]	1
2 optional analogue input and LAN Network [2]	2
<b>Peer-to-peer Communication (option) [1]</b>	<b>D</b>
Not fitted	0
Fitted	1

[1] Only for AC20 and AC30

[2] Only for AC15

## Dimensions



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