

POLYCLIM NG 31

DESCRIPTION

Single block climate regulator
with 12 24VAC relay outputs,
8 analogue inputs and
4 discrete inputs



FUNCTIONS

FUNCTIONS		Description	Number of outputs
	1 side or single pitch ventilation	Regulation proportional to ambient temperature Weather protection (wind, rain) Outside influences (wind, wind vane, outside temperature, sunshine) 24-hour temperature integration	2
	Ventilation on 2 sides or double roof pitch	Regulation proportional to ambient temperature Weather protection (wind, rain) Outside influences (wind, wind vane, outside temperature, sunshine) 24-hour temperature integration	4
	Shade / Thermal screen	Shade mode depending on sunlight (Watt/m2) Thermal mode depending on ambient temperature Outside influences (outdoor temperature)	2
	On-off heating (discrete)	Thermostatic regulation depending on the ambient temperature Possibility of managing a circulator at one water temperature separately from the unit heater.	1
	Inflation	Fan operation management by cue and difference Outside influence (wind speed)	1
	Air mixers	Thermostatic regulation depending on the ambient temperature and/or the ambient humidity Possible combination with the heating operation	1

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OPTIONS AVAILABLE (SUBJECT TO THE NUMBER OF REMAINING OUTPUTS & POSSIBLE MODIFICATION OF STANDARD FUNCTIONS)

FUNCTIONS	Description	Number of outputs	REF
Heating 3-way valve + circulator	Proportional regulation depending on the ambient temperature and the water circuit temperature Outside influences (wind, outside temperature, sunshine) Circulator management depending on the water circuit temperature. 24-hour temperature integration	3	CLI5500
FOG	Regulation proportional to ambient temperature and/or humidity Influence on the ventilation	1	CLI5503
CO2	Cue and difference management of CO2 injection operation Influence on the ventilation	1	CLI5504
Cooling	Management of a pump and 1 to 3 extractor units depending on the ambient temperature Influence on the ventilation	2 to 4	CLI5505
Clock / lighting	Start-up based on hourly start times or depending on connected sensors (adjustable thresholds). Applications: photosynthetic lighting, irrigation, etc.	1	CLI5506

CONNECTIVITY

Phone/tablet access

Anjou Automation POLYCLIM NG 21

Accueil Alarmes Météo Zone 1 Archivages Système Déconnexion

Zone 1 : Consignes / Consignes Principales

Reference	Désignation	Valeur	Unité
AA01	Aération : Cons. Princ. Aération	12.0	°C
AB01	Chauffage TOR : Cons. Tamb Ch. TOR	19.0	°C
AD01	Ecran : Cons. Ensoleillement	300	W/m²
AD02	Ecran : Cons. Therm. haute	NON	°C
AD03	Ecran : Cons. Therm. basse	15.0	°C
AE01	Déshumidif. : Cons. Déshumidifcat	NON	%
AE02	Déshumidif. : Sécurité température	15.0	°C
AF01	Brasseur : Cons. Température	30.0	°C

Retour Actualiser Valider

using SIMA box - CLI1680

Compatible with Supervision

ARTIC B3 - B3 - ARTIC Climat - Zone 1 - Période - Graphique

Visible	Fonction	Libellé	Valeur	Période 1	Période 2	Période 3	Période 4	Unité
☐	Aération 1	Consigne principale des aérations	26.0	0.0	0.0	0.0	0.0	°C
☐	Chauffage TOR 1	Consigne température ambiante chauffage thermostatique	19.0	0.0	0.0	0.0	0.0	°C
☐	Chauffage V3V 1	Consigne température de régulation chauffage V3V	19.0	0.0	0.0	0.0	0.0	°C
☐	Chauffage V3V 2	Consigne température eau minimum chauffage V3V	55.0	0.0	0.0	0.0	0.0	°C
☐	Ecran 1	Consigne d'ensoleillement par rapport aux Watts/m²	300	+0	+0	+0	+0	W/m²
☐	Ecran 1	Consigne thermique haute	NON	0.0	0.0	0.0	0.0	°C
☐	Ecran 1	Consigne thermique basse	15.0	0.0	0.0	0.0	0.0	°C
☐	Déshumidification	Consigne de déshumidification	NON	+0	+0	+0	+0	%
☐	Déshumidification	Sécurité température déshumidification	15.0	12.0	0.0	0.0	0.0	°C
☐	Brasseur	Consigne de brasseur sur température élevée	30.0	0.0	0.0	0.0	0.0	°C
☐	Brasseur	Consigne de brasseur sur hygrométrie élevée	80	+0	+0	+0	+0	%

Période 1 : Type : Heure / Ecart : 06:00 Rampe : 0mm

Période 2 : Type : Heure / Ecart : 11:00 Rampe : 0mm

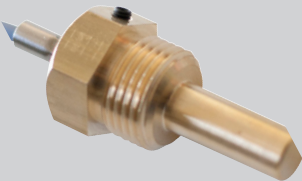
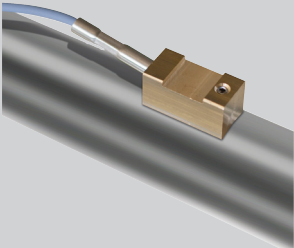
Période 3 : Type : Heure / Ecart : 16:00 Rampe : 0mm

Période 4 : Type : Heure / Ecart : 23:00 Rampe : 0mm

using ARTIC Sentinel box - CLI1690

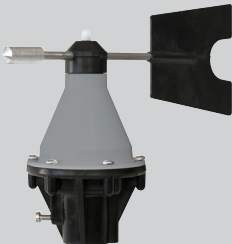
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COMPATIBLE INDOOR SENSORS

Photo	Ref	Signal	Range	Ventilated	CLI7031 compatible	CLI7031/420 compatible
	Ambient temperature sensor					
	CAP0001	CTN	-34° / 100°	NO	X	
	CAP0010	4- 20mA	-34° / 100°	NO		X
	CAP0010.V	4- 20mA	-34° / 100°	YES		X
	Humidity sensor					
	CAP0004	4- 20mA	0 / 100%	NO	X	X
	Ambient temperature and humidity sensor					
	CAP0024	4- 20mA	-34° / 100°	NO		X
	CAP0024.V	4- 20mA	-34° / 100°	YES		X
	Thimble water sensor					
	CAP0003	CTN	-34° / 100°	-	X	
	CAP0012	4- 20mA	-34° / 100°	-		X
	Surface mounted water sensor					
	CAP0003.A	CTN	-34° / 100°	-	X	
	CAP0012.A	4- 20mA	-34° / 100°	-		X
	Ground temperature sensor					
	CAP0002	CTN	-34° / 100°	-	X	
	CAP0011	4- 20mA	-34° / 100°	-		X
	CO2 sensor					
	CAP0040	4- 20mA	0 - 5000 ppm	NO	X	X

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COMPATIBLE WEATHER SENSORS

Photo	Ref	Measurement	Signal	Range
	Outdoor temperature sensor			
	CAP0001	Temperature	CTN	-34° / 100°
	CAP0071	Temperature	4- 20mA	-34° / 100°
	Outside humidity sensor			
	CAP0004	Humidity	4- 20mA	0 / 100%
	Outside temperature and humidity sensor			
	CAP0072	Temperature & Humidity	4- 20mA	-34° / 100°
	Sunlight and luminosity sensor			
	CAP0018	Watt / m² & Lux	4- 20mA	0-1500 W/m² - 0/100KLux
	Wind vane sensor			
	CAP0022	Wind direction	Dry contact	2 directions
	CAP0025	Wind direction	4- 20mA	0-360°
	Wind sensor			
	CAP0021	Wind speed	Frequency	-
	Rain sensor			
	CAP0030	Rain detection	DISCRETE	-