

# POLYCLIM NG 30

## 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<br>Weather protection (wind, rain)<br>Outside influences (wind, wind vane, outside temperature, sunshine)<br>24-hour temperature integration | 2                 |
|                                                                                     | Ventilation on 2 sides or double roof pitch | Regulation proportional to ambient temperature<br>Weather protection (wind, rain)<br>Outside influences (wind, wind vane, outside temperature, sunshine)<br>24-hour temperature integration | 4                 |
|  | On-off heating (discrete)                   | Thermostatic regulation depending on the ambient temperature<br>Possibility of managing a circulator at one water temperature separately from the unit heater.                              | 1                 |
|  | Inflation                                   | Fan operation management by cue and difference<br>Outside influence (wind speed)                                                                                                            | 1                 |
|  | Air mixers                                  | Thermostatic regulation depending on the ambient temperature and/or the ambient humidity<br>Possible combination with the heating operation                                                 | 1                 |

# POLYCLIM NG 30

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

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

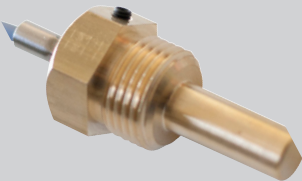
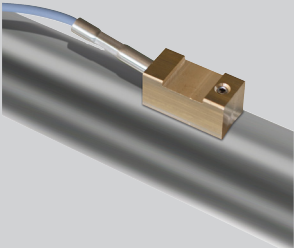
| Visible                  | Fonction          | Libellé                                                | Valeur | Période 1 | Période 2 | Période 3 | Période 4 | Unité |
|--------------------------|-------------------|--------------------------------------------------------|--------|-----------|-----------|-----------|-----------|-------|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

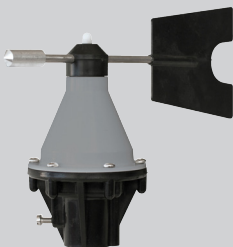
# POLYCLIM NG 30

## COMPATIBLE INDOOR SENSORS

| Photo                                                                               | Ref                                     | Signal  | Range        | Ventilated | CLI7030 compatible | CLI7030/420 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                      |

# POLYCLIM NG 30

## 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°  |
|   | 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    | -            |