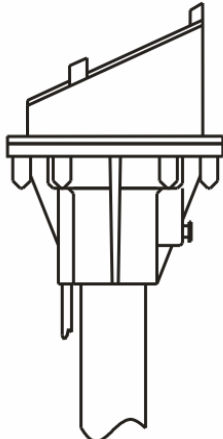

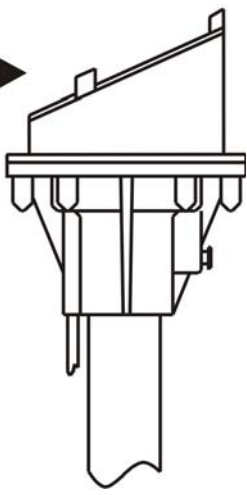


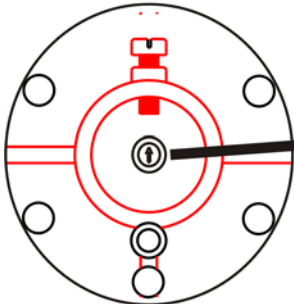







RAIN SENSOR

– CAP0030 –

The rain sensor gives a binary information about the presence of water on the sensitive element.

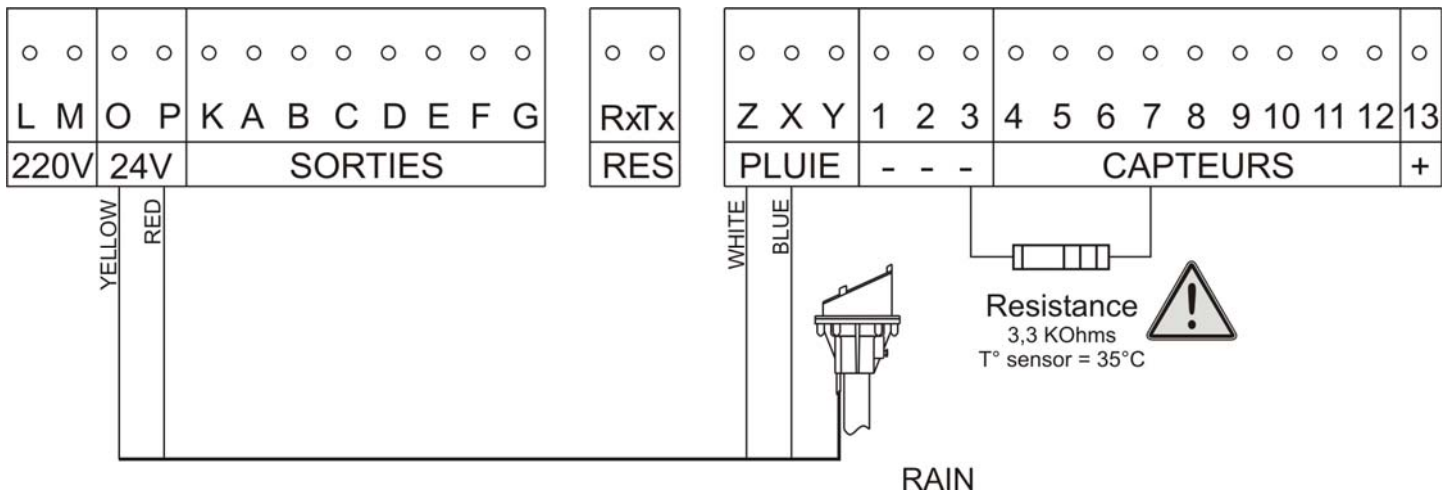
	SETTING	Tube of diameter 27mm Locking screw
	CABLE TYPE	4 wires of 0.22mm ²
	CABLE LENGTH	10 meters
	DETECTION PRINCIPLE	Capacitor
	DETECTION ELEMENT	Ceramic substrate
	SUPPLY	24Vac/Vdc
	CONSUMPTION	6VA
	OUTPUT	Relay output normally open (0,5A/24V max on resistive load)

Connecting		Setting								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">DESCRIPTION</th> <th style="text-align: center;">COLOR</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">24VAC Supply</td> <td style="text-align: center;">YELLOW</td> </tr> <tr> <td style="text-align: center;">RED</td> </tr> <tr> <td rowspan="2" style="text-align: center;">Relay output rain detection</td> <td style="text-align: center;">BLUE</td> </tr> <tr> <td style="text-align: center;">WHITE</td> </tr> </tbody> </table>	DESCRIPTION	COLOR	24VAC Supply	YELLOW	RED	Relay output rain detection	BLUE	WHITE	<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: right; margin-right: 20px;"> <p>Dominant Winds</p>  </div>  </div>	
DESCRIPTION	COLOR									
24VAC Supply	YELLOW									
	RED									
Relay output rain detection	BLUE									
	WHITE									
Heating system										
<p>The sensor is heated by two electrical resistors in order to quickly detect the lack of water on the sensitive element.</p>										
Maintenance										
<p>For an optimum detection of the rain, the sensor must be cleaned regularly with a non abrasive element under clear water.</p>										

Sensitivity adjusting					
<p>The rain detector has a potentiometer to adjust the sensitivity of the sensor::</p>					
<p>Back of the sensor</p> 	 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;"></td> <td>Maximum sensitivity</td> </tr> <tr> <td style="text-align: center;"></td> <td>Minimum sensitivity</td> </tr> </table>		Maximum sensitivity		Minimum sensitivity
	Maximum sensitivity				
	Minimum sensitivity				

CONNEXION WITH RANGE 2000

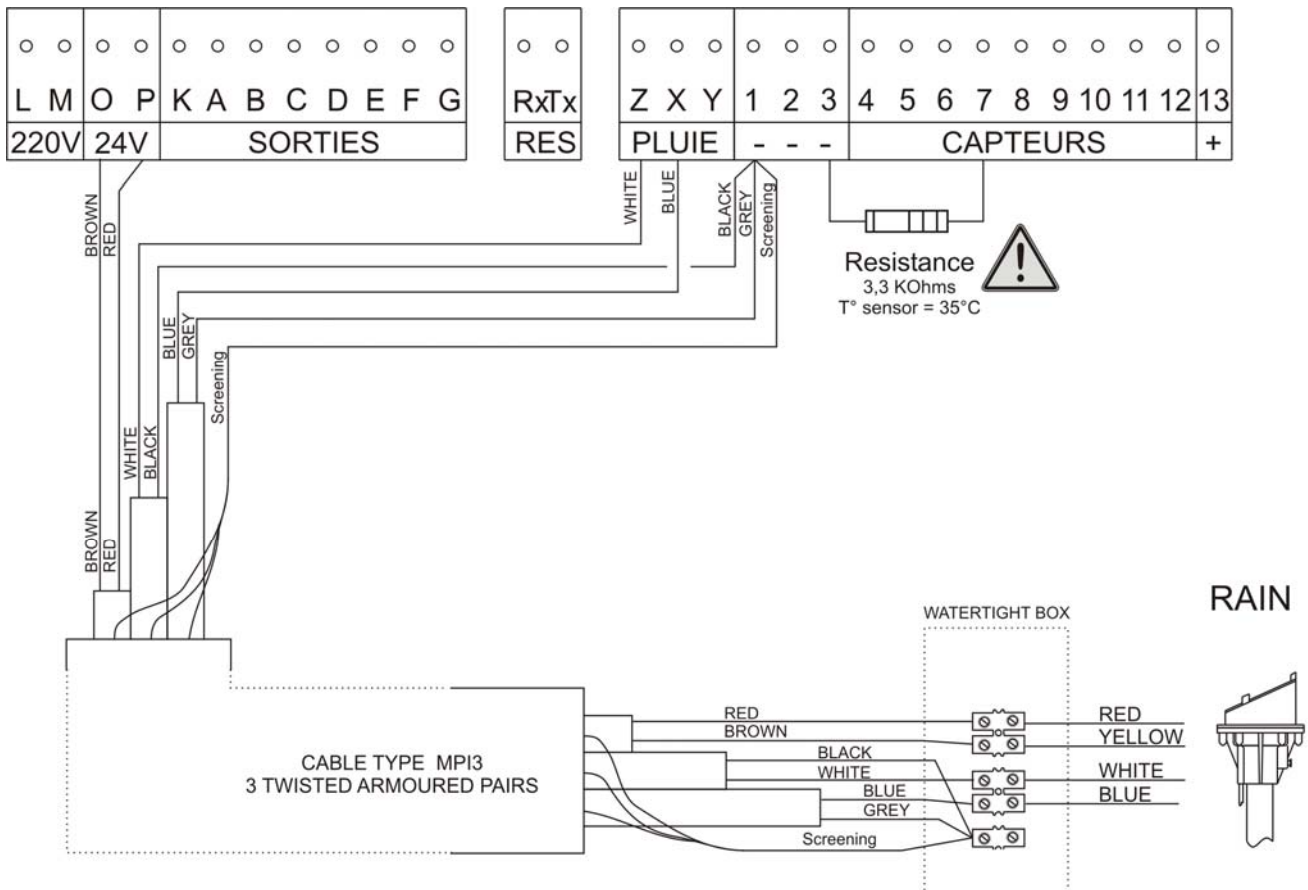
- Miniclim 2000 and 2200
- Minimic 2000 and 2100
- Micro 2500
- Micro 2850
- Micron 2000



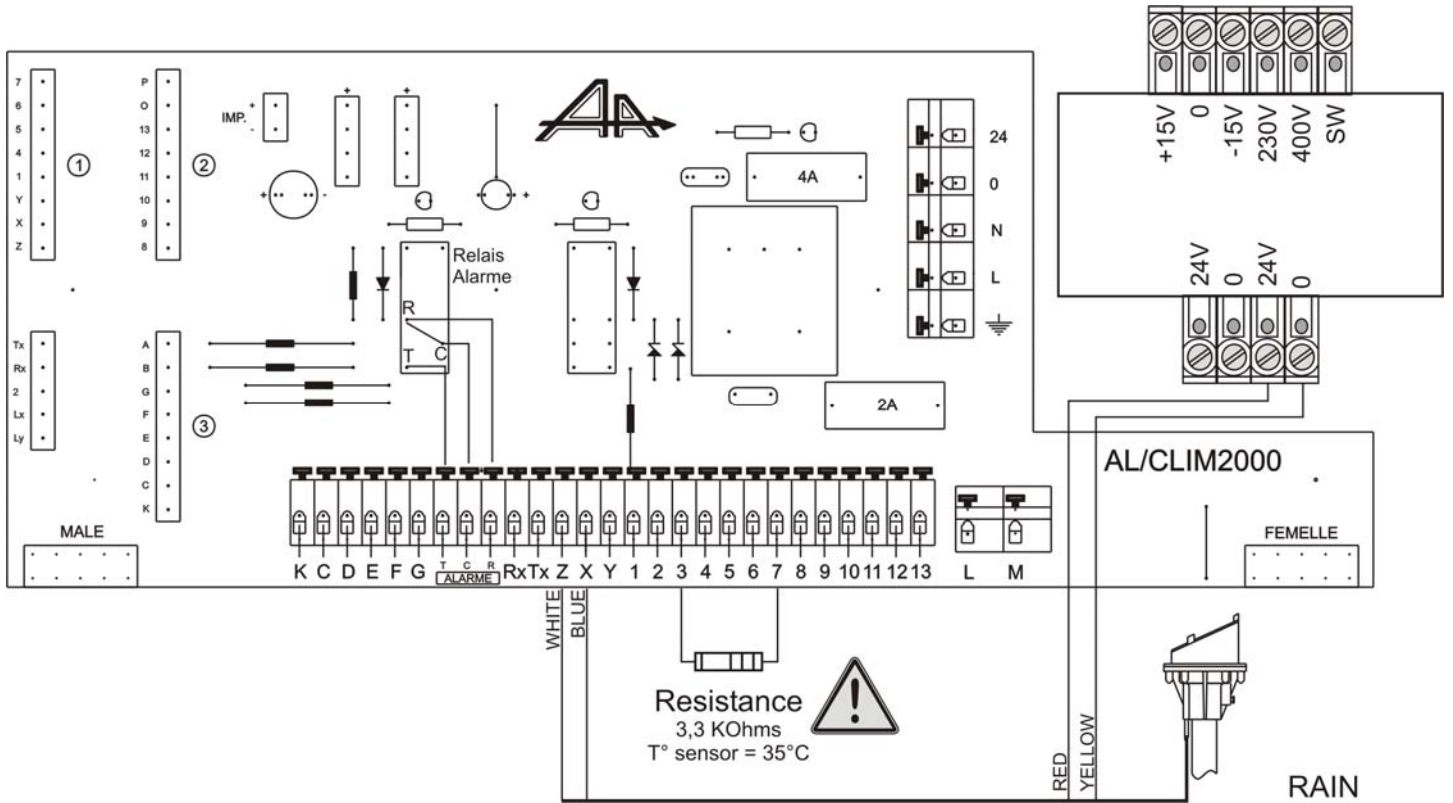
with extension flex

As far as possible, you should fit the weather sensors less than 10 m from the regulation micro. For most important length, the rain sensor extension cable must be realised with special cable to limit the sensitivity to the external interferences. You have to :

1. Use 3 screened twisted pairs cable.
2. Connect screen of the pairs to the 0V at the both extremities of cable (Micro side and sensor side).
3. Limit at maximum the junction boxes number (line leakages).
4. Do not run the sensors cables close to power cables (at least 50 cm of gap must be respected).
5. Limit the cable length at 50 m maximum.



CONNEXION WITH MULTICLIM 2000



with extension flex

As far as possible, you should fit the weather sensors less than 10 m from the regulation micro. For most important length, the rain sensor extension cable must be realised with special cable to limit the sensitivity to the externals interferences. You have to :

6. Use 3 screened twisted pairs cable.
7. Connect screen of the pairs to the 0V at the both extremities of cable (Micro side and sensor side).
8. Limit at maximum the junction boxes number (line leakages).
9. Do not run the sensors cables close to power cables (at least 50 cm of gap must be respected).
10. Limit the cable length at 50 m maximum.

