









**FUNCTIONS 1 and 2 with SSR logic control 3-24V DC 2mA.**

<p><b>Function 1)</b></p>  <p><b>on</b> With dip 4 and 5 ON remaining ones OFF : <b>Zero crossing actuation.</b> Logical control between 3-24V DC.</p>	<p><b>Function 2)</b></p>  <p><b>on</b> With dip 3 ON remaining ones OFF : <b>Phase angle soft start function.</b> Logic control between 3-24V DC. Recommended cycle time equal or greater than 10 sec</p>
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**FUNCTION 3 Zero crossing (analog control.)**

<p><b>Function 3)</b></p>  <p><b>on</b> With dip 1 ON 2 and 3 OFF : <b>Cycle time</b> 1 Sec.</p>	<p><b>on</b></p>  <p>With dip 2 ON 1 and 3 OFF : <b>Cycle time</b> 0,5 Sec.</p>	<p><b>on</b></p>  <p>With dip 1 and 2 ON 3 OFF : <b>Cycle time</b> 0,25 Sec.</p>
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**FUNCTION 4 phase angle Soft for 5 sec and switch to function 3 (analog control.)**




<p><b>Function 4)</b></p>  <p><b>on</b> With dip 1 and 3 ON 2 OFF : <b>Soft for 5 Sec.</b> and zero crossing with cycle time 1 Sec.</p>	<p><b>on</b></p>  <p>With dip 2 and 3 ON 1 OFF : <b>Soft for 5 Sec.</b> and zero crossing with cycle time 0,5 Sec.</p>	<p><b>on</b></p>  <p>With dip 1, 2 and 3 ON <b>Soft for 5 Sec.</b> and zero crossing with cycle time 0,25 Sec.</p>
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**FUNCTION 5 Phase angle control (analog control.)**

<p><b>Function 5)</b></p>  <p><b>on</b> With dip 1, 2, 3 OFF <b>Soft start phase angle control.</b></p>
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**NB: Dip switching for program selection should be done with unit switched off, without line voltage and without supply voltage of the card**

**SETTING OF THE ANALOG CONTROL SIGNAL**

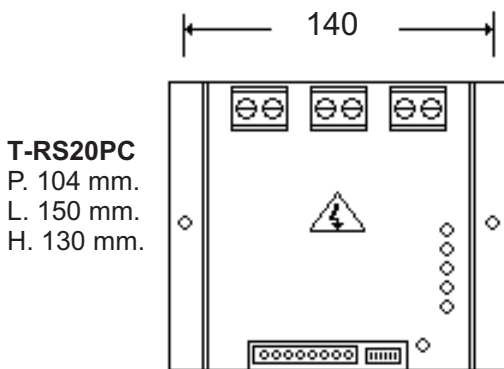
<p><b>on</b></p>  <p>Dip 4,5 and 6 OFF Control <b>0-10V DC</b> or Potentiometer <b>1-10K ohm</b></p>	<p><b>on</b></p>  <p>Dip 4 and 6 ON 5 OFF Control <b>0-20mA</b></p>	<p><b>on</b></p>  <p>Dip 5 and 6 ON 4 OFF Control <b>4-20mA</b></p>
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**NB: The purpose of the trimmer located outside, near the programming Dip, is to reduce from 0 to 100% the control signal so as to limit the power if required.**

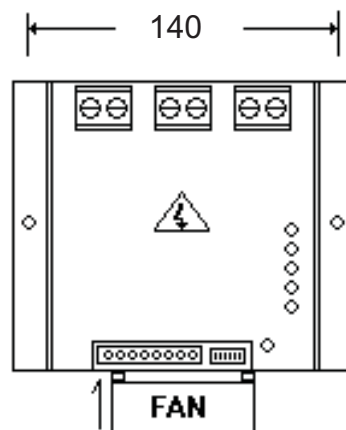
**START UP:**

- After having powered on the 24V DC control card, the led ON blinks. At this moment, the group is stopped and waits for the first control signal. This purpose of this procedure is to not signal a fuse fault alarm when the auxiliary voltages are activated and there is not yet line voltage on the group.
- When the first control signal arrives, the card checks the synchronization, if it is correct it will turn on the Sync led and will be ready to operate. In the case of wrong synchronism, the alarm led AL turns on with related changeover contact and the Synch led.. flashes. In this case it is necessary to rotate two wires of the line power R,S,T. to restore synchronisation.

**DIMENSIONS:**



**T-RS20PC**  
P. 104 mm.  
L. 150 mm.  
H. 130 mm.



**T-RS40PC**  
P. 104 mm.  
L. 150 mm.  
H. 165 mm.

**USE CONDITIONS:**

The cabinets where the relays are mounted with the rest of the equipment must have a ventilation that ensures that during operation the temperature inside does not exceed 45 °C. WE REMIND THAT THE DISSIPATED POWER IS 1W FOR EACH AMPERE FOR EACH PHASE CONTROLLED.

**NB: IT IS RECOMMENDED TO ADDA CONTACTOR BETWEEN THE SUPPLY AND THE STATIC GROUP. MOREOVER, IN THE STARTUP PHASE, DELAY THE CONTROL SIGNAL WITH RESPECT TO THE CONTACTOR (MIN. 0.3 SEC. ), DURING DEACTIVATION, EXCLUDE AT FIRST THE CONTROL SIGNAL AND THEN OPEN THE CONTACTOR (SEE OUR MODULE MIP COD.978).**