

OPERATIVE MANUAL CONTROL UNITS AND LEO TYREWARMERS

RECOMMENDATIONS FOR USE TYREWARMERS AND CONTROL UNITS

From an electrical point of view, CAPIT control units and tyrewarmers are made in compliance with all safety criteria. However, they are electrical equipment and, as such, must be used with due precautions so as not to compromise their operation and avoid damage to both the product and the operator.

The use of CAPIT tyrewarmers and control units is allowed only to expert personnel who know in detail the recommendations for correct use and is able to perform a visual check of the surface conditions of the product, to ensure the good preservation of the essential characteristics of safety.

CAPIT control units and tyrewarmers use is allowed only to skilled person that knows exactly advices for their correct employment and is able to do a check-up of product surface to make sure of good conservation and essential safety features. The detection of obvious damage or wear of the internal / external components or surfaces of the control units and the tyrewarmers is a reason for immediate rejection of the product.

Tyrewarmers and control units power supply is direct; the current circulation begin with insertion of power plug. It is therefore recommended to handle the product with due care.

ATTENTION

The tyrewarmers can only be turned on after they have been correctly positioned on the tyre. The tyrewarmers must be turned off before being removed from the tyre. Before switching them on, always check the correct mounting on the tyre and the absence of obstacles and / or joints. Don't move the motorcycle when the tyrewarmers are upright. Failure to comply with this requirement may cause irreparable damage to the tyrewarmer and is dangerous for those handling it.

The power supply of tyrewarmers through the control unit must be done only after having closed it and having properly placed it on the tyre to be heated.

The cables must not be pulled or torn, as this can be dangerous and damage the product. Should the cables or internal connections be damaged, the plug must be removed from the power supply socket immediately and the control unit must not be reused until repaired.

When the control unit is working, the product must not be operated with bare hands (Control unit and / or Tyrewarmer); for its correct handling in total safety, it is mandatory to wear appropriate, thermally and electrically insulating gloves. This also applies to disconnecting the control unit from the power supply and to handling the heating blanket to remove it or to position it correctly.

After use, let the tyrewarmer cool down in a natural way, placing it on a flat surface, out of reach of the people present. Do not forcibly cool the tyrewarmer with any liquid or gaseous media.

ATTENTION

The switch on the control unit is not a safety device. It acts only as an interruptor of the power supply to the adjustment instrument and the output command. It does not work by physically sectioning the load lines. Therefore, it is recommended to provide suitable safety devices upstream of the control unit.

Failure to comply with all the indicated instructions can irreparably damage the control unit and may constitute a danger for those handling it.

CAPIT PERFORMANCE is not liable for any damage to things or persons due to incorrect use of its products or to their improper and different use to that for which they are intended (in this case, the regulation of the temperature of tyres for sports use).

CAPIT PERFORMANCE is also not liable for damage to things and/or persons deriving from tampering or repairs and / or modifications to its products, which have not been previously and expressly authorized in writing.

The disused control units and tyrewarmers, undamaged or cu tinto pieces, must not be dispersed in the environment, but disposed of as special waste, according to the laws in force.

WARRANTY

CAPIT control units and tyrewarmers are covered by a total warranty for a period of 3 years from the date of purchase on manufacturing defects and refer only to the control unit. The opening and / or tampering of the instrumentation, the modification of the configuration parameters or any illicit use automatically entails the forfeiture of the guarantee.

DISCLAIMER

The appliance has been designed, built and tested with the utmost care and attention to make it highly reliable and safe. CAPIT PERFORMANCE S.r.l. declines all responsibility for damage that may occur due to incorrect use.



CAPIT PERFORMANCE S.r.l.

CONTROL UNIT TECHNICAL SPECIFICATIONS

Number of channels:	LEO2 2 Channels
	LEO4 4 Channels
Adjustable temperature range (Set-point):	10÷120°C (104÷248°F)
Selectable Set-Point:	Set1-Set2-Set3
Adjustment device:	Dual display digital controller
Supply:	100÷240Vac ±10%
Output Power:	1kWW@230Vac/channel max
Operating ambient temperature:	0÷50°C (32÷122°F)
Storage temperature:	- 10 ÷ + 60°C (14÷140°F)
Humidity:	90% max
Weight:	LEO2 1.5kg
	LEO4 2.6kg

OPERATIVE MANUAL CONTROL UNITS LEO2 – LEO4

First of all

Remove the protective film on displays

Connect the tyrewarmers and make sure you have tightened and / or fixed any closures (Screw nut or Lock hook).

Position the switch in pos. 0 (Off)

Power on


Connect the plug and activate the switch in pos. 1 (On)

The display, after a first initial test, will show in the upper display the temperature of the heating blanket and in the lower display the set-point currently in use and the value to be reached.


Standard Display			
Superior	Tyrewarmer Temperature		
Inferior	Set-point active (Set1-Set2-Set3) - Set-Point Value (Alternates)		
LED "1"	Output in regulation	LED "AL"	Off

Set-Point Change - Jump Function



You can choose between 3 work set-points: Set1-Set2-Set3

At any time in the operating condition of the instrument, it is possible to switch from one set-point to another by pressing and holding  until the set-point selected in the upper display appears according to the cycle Set1→Set2→Set3→Set1....

Set-point Modification

To change the single Set-point, keep the keys pressed  or .

The upper display will show the currently active set-point and the set value in the lower display.

Press or hold the keys  or  up to the desired value. After 2 seconds the value will be memorized, and the instrument will return to its display.

The set-point values set remain stored even after switching off.

Ready Function

The instrument is equipped with an internal timer.

After 15 minutes from reaching the set temperature, the display will show RDY to indicate that the temperature has spread inside the tyre and not just on the tread. The tyre is ready to enter the track.

Ready Display			
Superior	Tyrewarmer Temperature – RDY (Alternates)		
Inferior	Set-point active (Set1-Set2-Set3) - Set-Point Value (Alternates)		
LED "1"	Output in regulation	LED "AL"	Off

"Tyre Out" Function

In the event that the tyrewarmer is not connected, the instrument will display the message "Tyre Out" on the upper display

Tyre-Out Display			
Superior	Tyre – Out (Alternates)		
Inferior	Set-point active (Set1-Set2-Set3) - Set-Point Value(Alternates)		
LED "1"	Off	LED "AL"	Off

Note: if the tyrewarmer is connected to the instrument and "Tyre-Out" is displayed, turn off the instrument and contact our technical assistance.

Adjustment anomaly alarm –STOP Function *new*

The instrument checks that there are no problems in heating the tyres.

Circuit interrupted or anomalies for which the instrument leaves the required heating parameters, the instrument will display the word "Stop" in the upper display. Turn off the instrument and contact our technical assistance.

Stop Display			
Superior	Tyrewarmer Temperature – STOP (Alternates)		
Inferior	Set-point active (Set1-Set2-Set3) - Value Set-Point (Alternates)		
LED "1"	Uscita in regolazione	LED "AL"	On

Note: if the tyrewarmer is connected to the instrument and "Stop" is displayed, turn off the instrument and contact our technical assistance.

High Temperature Alarm – HIGH Function *new*

The instrument checks that the tyre is not heated to temperatures too high compared to the set value (+15°C).

Load contacts or anomalies on the heating circuit that bring the temperature too high compared to the selected set-point, the instrument will display the word "HIGH" on the upper display.

Visualizzazione HIGH			
Superior	Tyrewarmer Temperature – HIGH (Alternates)		
Inferior	Set-point active (Set1-Set2-Set3) - Set-Point Value (Alternates)		
LED "1"	Off	LED "AL"	On

Note: if the tyrewarmer is connected to the instrument and **"High"** is displayed, turn off the instrument and contact our technical assistance.

High Alarm condition is not possible to reset. The only way to reset alarm is to disconnect Tyrewarmer.

Low Temperature Alarm – LOW Function *new*

After reaching the setpoint value, if temperature goes lower, LOW alarm activate. (-15°C).

Load contacts or anomalies on the heating circuit or simply a temporary "Cold condition", if temperature is lower than Set-point value, instrument will Show "LOW".

This alarm reset automatically if temperature return to set-point value.

Visualizzazione LOW			
Superior	Tyrewarmer Temperature – LOW (Alternates)		
Inferior	Set-point active (Set1-Set2-Set3) - Set-Point Value (Alternates)		
LED "1"	Off	LED "AL"	On

Note: if the tyrewarmer is connected to the instrument and **"LOW"** alarm persist, disconnect tyrewarmer and contact our technical assistance.

