



瑞安市领科汽车电子有限公司

RUIAN LINK AUTO ELECTRONICS CO., LTD



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## 简介 (ABOUT US)



### LINK PROFILE

瑞安市领科汽车电子有限公司地处经济发达交通便利的中国汽摩配之都--浙江省瑞安市塘下镇，是一家致力于汽车配件的研发、生产、销售的制造企业。目前公司拥有多处生产车间，分别生产汽车传感器、节温器、汽车开关等产品。企业拥有先进的生产加工设备、优秀的技术人员、精湛的制造工艺、检测设备、完善的管理制度，从而生产出高质量、能满足客户需求的产品。

RUIAN LINK AUTO ELECTRONICS CO., LTD is located in Tangxia, Wenzhou--the capital of China's automobile and motorcycle. We specialize in producing vehicle parts. For now we have several production workshops, respectively producing automobile sensors, thermostats, automobile switches and other products. Our company has advanced equipment for producing and processing. We also possess excellent technicians, superb manufacturing technology, testing equipment, and a perfect management system to produce high-quality products that can meet customers' needs.



# 领科汽车电子

LINK AUTO ELECTRONICS



# 企业文化 (COMPANY CULTURE)



1

**定位**

中国领先的汽车电子配件公司

The Chinese leading technology company

2

**理念**

诚信、敬业、务实、创新

Integrity, dedication, pragmatism, innovation

3

**目标**

国际化、品牌化、专业化

Internationalization, branding, specialization

4

**使命**

成就客户、成就品牌、成就员工

Achievement customer, brand, employee



### 汽车节温器(机械式)

## MECHANICAL THERMOSTAT

机械式节温器是一种控制发动机冷却液流动路径的阀门，利用石蜡的热胀冷缩原理，根据冷却水温度自动调节进入散热器的水量，以保证发动机在合适的温度范围内工作，可起到节约能耗等作用。



The mechanical thermostat is a kind of valve which controls the flow path of the engine cooling fluid. It can automatically adjust the amount of water entering the radiator according to the temperature of the cooling water by using the heat expansion and cold contraction principle of paraffin wax, in order to ensure that the engine in the appropriate temperature range, can play a role in saving energy consumption.



## 产品简介(PRODUCT INTRODUCTION)



### 汽车节温器(电子式)

## ELECTRONIC THERMOSTAT

电子式节温器是电子节温器内置了热敏电阻，当水温升高时，热敏电阻会将信号传输给控制单元，然后控制单元再发出信号给执行单元，执行单元根据传感器信号得出的计算值对温度调节单元加载电压，接通加热电阻，然后再根据电阻升温特性图对石蜡进行加热。电子节温器的优点是精确度比较高。

Electronic thermostat provides broader and faster operation than the traditional engine thermostat. In addition to the mechanical function of the wax element, electrically assisted thermostats incorporate an electric heater within the sensor. This heater is controlled by the vehicle's ECU, which receives information on the speed and load conditions of the engine. It uses this information to regulate the temperature of the coolant.





# 适用车型(FIT FOR CARS)







# 生产工艺 (PROCESS) ——石蜡芯子(Paraffin core)







# 生产工艺 (PROCESS) —— 铝件加工(Aluminium processing)





# 生产工艺(PROCESS)——组装(Assembly)







# 芯子检测 (Core testing)



测试项目：初开温度、全开温度、行程测试等

Test items: initial opening temperature, full opening temperature, stroke test, etc.





# 气密性检测 (Airtightness testing)



测试项目：前盖、后盖、芯子气密测试

Test items: Air tightness test including front cover, back cover, core





# 工厂环境(OUR ENVIRONMENT)







# 工厂仓库(OUR WAREHOUSE)





# 工厂认证CERTIFICATION——IATF16949:2016



Certificate of Registration



兹证明

**瑞安市领科汽车电子有限公司**

浙江省温州市瑞安市塘下镇海安广场路 88 号 6-7 楼

的质量管理体系适用于

**节温器的生产**

已经 NQA 根据标准

**IATF 16949:2016**

(删减产品设计)

审核和注册

本注册要求组织必须按照上述标准保持其质量管理体系，并由 NQA 进行监督，若有任何争议，以英文证书为准

  
Managing Director



NQA Certificate No: T178707  
IATF Certificate No: 0454335  
Date: 24 July 2022  
Valid Until: 23 July 2025  
Version: 1



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Certificate of Registration



This is to certify that the Quality Management System of

**Ruian LINK Automotive Electronics Co., Ltd.**

Floor 6-7, No. 88 Hai'an Square Road, Tangxia Town, Ruian, Wenzhou City, Zhejiang Province, 325204, China.

applicable to

**Manufacturing of thermostat**

has been assessed and registered by

NQA, Waverley House, Houghton Hall Park, Houghton Regs, Dunstable LU5 2JX, Bedfordshire, England

against the provisions of

**IATF 16949:2016**

(Clause 8.3 product design of IATF 16949: 2016 is justifiably excluded)

This registration is subject to the company maintaining a quality management system, to the above standard, which will be monitored by NQA.

  
Managing Director



NQA Certificate No: T178707  
IATF Certificate No: 0454335  
Date: 24 July 2022  
Valid Until: 23 July 2025  
Version: 1



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**HTT TECHNOLOGY**

## Certificate of Conformity

Certificate No. : HTT20090203E

Applicant : RUAN LINK AUTO ELECTRONICS CO.,LTD

Applicant Address : 4F,BUILDING 2,NO.188LUOSHAN 1<sup>ST</sup> ROAD,LUOFENG INDUSTRIAL ZONE,TANGXIA TOWN,RUAN CITY,ZHEJIANG PROVINCE,CHINA.

Manufacturer : RUAN LINK AUTO ELECTRONICS CO.,LTD

Manufacturer Address : 4F,BUILDING 2,NO.188LUOSHAN 1<sup>ST</sup> ROAD,LUOFENG INDUSTRIAL ZONE,TANGXIA TOWN,RUAN CITY,ZHEJIANG PROVINCE,CHINA.

Product : THERMOSTAT

LK-SFF 682,  
LK-WQG XXX (LSU-4-B), LK-WQG XXX (LSU-4-Z),  
LK-WQG XXX (LSU-4-S), LK-WQG XXX (LSU-ADV),  
LK-SAF XXX (LSF-4-Z), LK-SDF XXX (LSF-4-Z),  
LK-SDF XXX (LSF-4-T), LK-SDF XXX (LSF-4-T),  
LK-SDF XXX (LSF-4-T), LK-SFF XXX (LSF-4-T),  
LK-SG XXX, LK-DF XXX, LK-NS XXX,  
Attention:XXX stands for specific model.

Model No. :

Trademark : LKET

The above products have been tested by us with listed standards and based on compliance with the council EMC 2004/108/EC. It is possible to see CE marking to demonstrate the compliance with EMC EMC.

Std standard	Report Number	Issued By	Issued Date
EN IEC 61000-4-3:2009	HTT20090203E	HTT	04.06.2014
EN IEC 61000-4-2:2007-AL3:2011-IEC3:2012			
EN IEC 61000-3-2:2009-AL3:2011			

This evaluation of conformity is not a certificate and based on an evaluation of a sample of the above mentioned product.

**CE**      Authorized Signer: *Kevin Yang*   
 Kevin Yang Senior Manager

Date: Oct. 28, 2020

Shenzhen HTT Technology Co., Ltd.      Web: www.httprc.com

TEL: 0755-22995200      FAX: 0755-22995201      Hotline: 400-6675-151      Mail: info@httprc.com  
 IT: # Building, Huafeng International Electronic Industrial Park, Guhuo, Xixiang Street, Baoan District, Shenzhen, China

**HTT TECHNOLOGY**

## FCC SUPPLIER'S DECLARATION OF CONFORMITY

Certificate Number: HTT20090202F

Product Name: THERMOSTAT

Model No. : LK-SFF 682, LK-WQG XXX (LSU-4-B), LK-WQG XXX (LSU-4-Z), LK-WQG XXX (LSU-4-S), LK-WQG XXX (LSU-ADV), LK-SAF XXX (LSF-4-Z), LK-SDF XXX (LSF-4-Z), LK-SDF XXX (LSF-4-T), LK-SDF XXX (LSF-4-T), LK-SG XXX, LK-DF XXX, LK-NS XXX, Attention:XXX stands for specific model.

Trade Mark: LKET

Applicable standards: FCC CFR Title 47 Part 15 Subpart B:2017

The products comply with the FCC regulations and the electromagnetic compatibility evaluation requirements.

The test result has been evaluated by Shenzhen HTT Technology Co., Ltd laboratory and showed in the test report

The test report number: HTT20090203PR

It is understood that each unit marketed is identical to the device as tested, and any changes to the device that could adversely affect the emission characteristics will require retest.

The following responsible party designated in FCC §2.909 is responsible for this declaration:

Company Name:  
Company Address:  
Tel:  
Fax:  
Email:  
Signature:  
Date:

**FCC**

Shenzhen HTT Technology Co., Ltd.      Web: www.httprc.com

TEL: 0755-22995200      FAX: 0755-22995201      Hotline: 400-6675-151      Mail: info@httprc.com  
 IT: # Building, Huafeng International Electronic Industrial Park, Guhuo, Xixiang Street, Baoan District, Shenzhen, China

**HTT TECHNOLOGY**

## Certificate of Conformity

Certificate No. : HTT20090202R

Applicant : RUAN LINK AUTO ELECTRONICS CO.,LTD

Applicant Address : 4F,BUILDING 2,NO.188LUOSHAN 1<sup>ST</sup> ROAD,LUOFENG INDUSTRIAL ZONE,TANGXIA TOWN,RUAN CITY,ZHEJIANG PROVINCE,CHINA.

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Product : THERMOSTAT

LK-SFF 682,  
LK-WQG XXX (LSU-4-B), LK-WQG XXX (LSU-4-Z),  
LK-WQG XXX (LSU-4-S), LK-WQG XXX (LSU-ADV),  
LK-SAF XXX (LSF-4-Z), LK-SDF XXX (LSF-4-Z),  
LK-SDF XXX (LSF-4-T), LK-SDF XXX (LSF-4-T),  
LK-SG XXX, LK-DF XXX, LK-NS XXX,  
Attention:XXX stands for specific model.

Model No. :

Trademark : LKET

This is to certify that, on the basis of the tests undertaken as per Report No. HTT20090202RCH, the submitted sample of the above item complies with:

IEC 62321-4:2014A1:2017  
IEC 62321-5:2013  
IEC 62321-6:2015  
IEC 62321-7-5:2015  
IEC 62321-7-3:2017  
IEC 62321-6:2017

And fulfills testing requirement of the RoHS directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102

**RoHS**

Authorized Signer: *Kevin Yang*   
 Kevin Yang Senior Manager

Date of Issue: Oct. 30, 2020

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# 展会EXHIBITION



Automechanika Istanbul 2023



Automechanika Shanghai 2023



## 联系我们(CONTACT US)



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[www.link-auto-electronics.com](http://www.link-auto-electronics.com)



合作



共赢

创新

# THANKS

## 谢谢观看