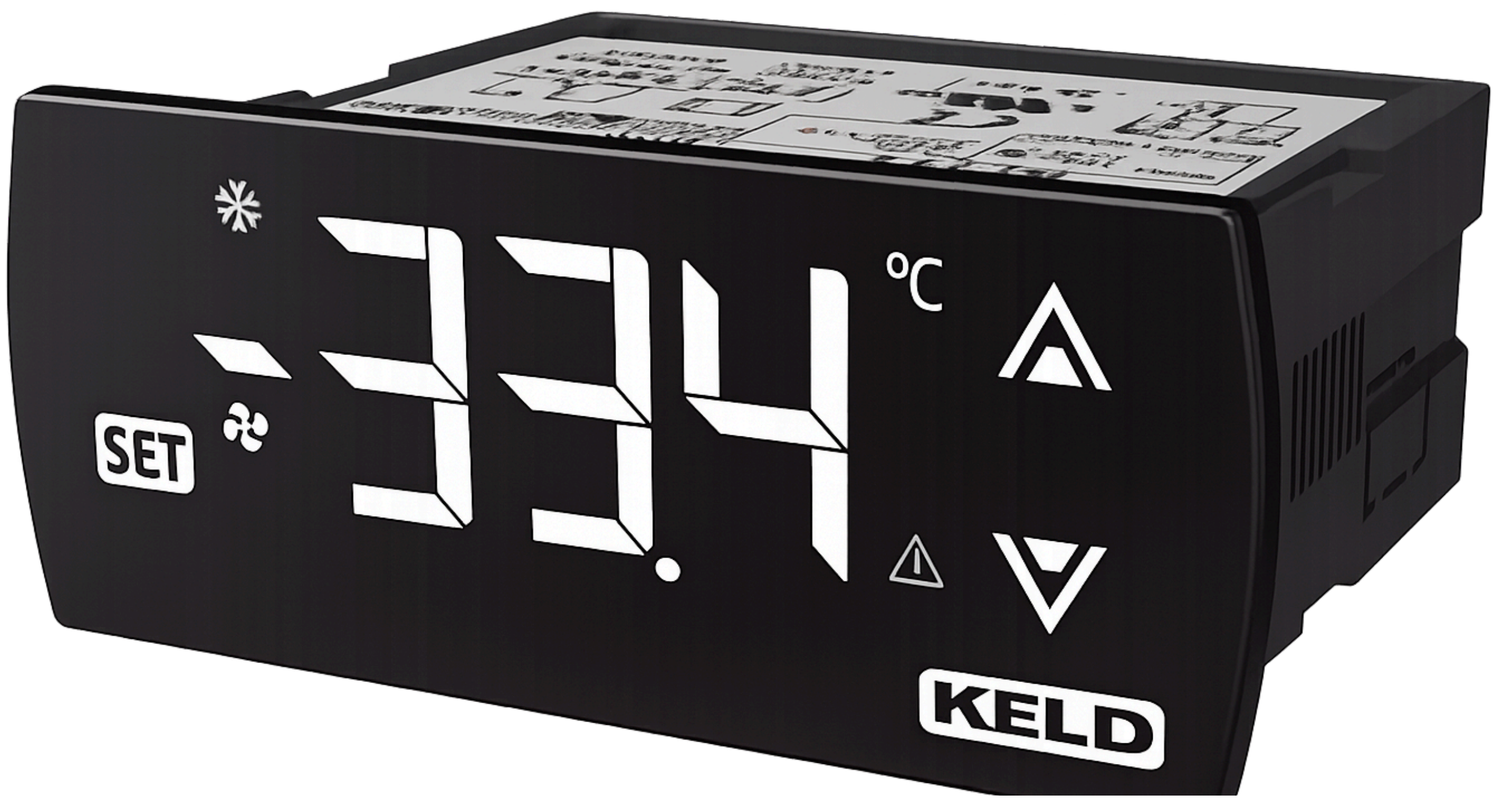
KELD

CONTROLLERS — KTS SERIES

The right temperature. Every day.

Panel controllers for refrigeration, heating and humidity — configured with your team, ready for series production.



KTS Series

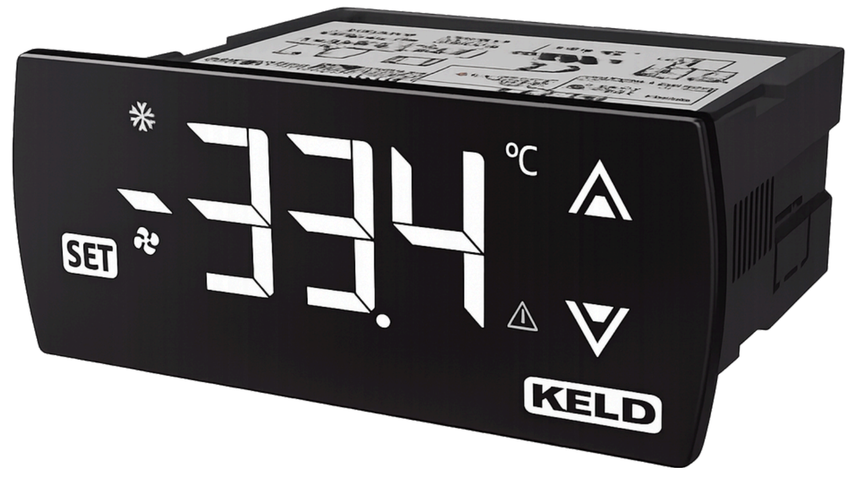
Refrigeration · Heating · Humidity · 4–20 mA · 8 models · Touch keypad · NFC + APP · IP66 front

CE UL RoHS

keld.es

THE MANUFACTURER'S CHALLENGE

The unit runs. The panel is what your customer sees.



A controller that is hard to set or hard to read creates service calls, returns and warranty cost. Better control starts at the front panel. KTS is easy to set, easy to read and made for real refrigeration equipment.

THE RANGE AT A GLANCE

Touch keypad, big display

Capacitive keys and large digits. Easy to clean and easy to read from any angle.

NFC setup from a phone

Tap a phone to the front to program or check the unit. KTS APP on iOS and Android.

IP66 front, plug-in terminals

Sealed front for wet and cold places. Plug-in terminals speed install and replacement.

One family: cold, heat, humidity

RTD, thermocouple and 4–20 mA inputs. One platform for many machines.

WHAT IT MEANS FOR YOU

Quick to set, reliable every day

Set the parameters from a phone by NFC, even before the unit has power. Three parameter levels keep daily use simple and deeper settings protected.

Clear to read, made to last

Large digits are easy to see from any angle. The IP66 front and self-extinguishing polycarbonate work in wet, cold and dusty places, from -20 to 60 °C.

A controller that carries your brand

The front panel is what the end user sees. Set the default values and behavior to match your machine, so it ships ready to use.

THE PRODUCT IN DETAIL

A closer look



1. **Large digit display (°C / °F)**
2. **Touch keys — SET · UP · DOWN · AUX**
3. **Status icons — compressor · defrost · fan · alarm**
4. **NFC zone — tap to program**
5. **IP66 sealed front**
6. **KELD / your brand on the front**
7. **One probe and up to 2 probes more or 2 digital inputs (alarm, door..)**

CORE FEATURES

- Touch keypad — no moving parts
- Large display, readable from any angle
- **NFC + KTS APP (iOS and Android)**
- **Bluetooth option**
- RTD, thermocouple and 4–20 mA inputs
- Direct or reverse output
- Up to four relays

INPUT TYPES

RTD PTC · **RTD NTC** · **Humidity**

4–20 mA / 0–1 V · **Thermocouple**

Alarms and records, at a glance.

The KTS shows problems clearly and keeps the data your team needs to act.

- **High / low temperature alarms**
  Clear alarm codes on the display, with an optional buzzer.
- **Max / min record**
  It stores the highest and lowest temperature for review.
- **Open / short probe detection**
  The controller warns at once if a probe fails.
- **External alarm input**
  A digital input can bring an external alarm into the controller.

KEY FIGURES

IP66

Sealed front (rear IP20)

-20…60 °C

Operating range · up to 90% RH

±1% F.S.

Probe accuracy (RTD · TC · 4–20 mA)

85–265 Vac

Universal option · also 230 / 115 / 24 / 12 V

Up to 4 relays

Compressor relay 16 A · 1–2 HP

NFC + APP

Program by phone · Bluetooth option

Certifications: CE · UL (cULus) · IEC/EN/UL/CSA 60730-1 / 60730-2-9 · EMC IEC/EN 61000-6 · relays to UL/IEC 60079-15 for flammable refrigerants.

MODEL RANGE

Model	Relays	Probes	Input	Use
KTS11D	1 relay*	1	RTD	Refrigeration
KTS13D	1 relay	3	RTD	Refrigeration
KTS13D2	1 relay · 2 HP	3	RTD	Refrigeration
KTS23D	2 relays	3	RTD	Refrigeration + dead band
KTS33D	3 relays	3	RTD	Refrigeration + dead band
KTS43D NEW	4 relays	3	RTD	Refrigeration + dead band
KTS11B	1 relay*	1	Thermocouple	Heating
KTS11H	1 relay*	1	4–20 mA / 0–1 V	Humidity / process

** dual-track relay · probes configurable as digital input*

CONNECTIVITY & WIRING



Inputs and outputs

NFC tap-to-set · **KTS APP · iOS / Android** · **Bluetooth (option)** · **Config. digital input**

WHERE IT WORKS

Refrigeration

Heating

Humidity control

4–20 mA process

WHY KELD

Your engineering and manufacturing partner

Co-engineering from day one. We design with your team, not for it — from a small firmware change to a full custom controller.

Quality you can audit. Structured APQP planning, validation and full traceability, from component to serial number.

Made in Zaragoza since 1972. Design, production and test under one roof. Short lines, fast answers, stable supply.

Lifecycle support. Controlled firmware and documented change management through the product life.

Match the KTS controller to your equipment.

In a 30-minute technical review, we look at your machine, sensors, outputs and panel to choose the right KTS model and the default settings.

Book a technical review →

ABOUT KELD

Electrónica KELD has designed and manufactured custom electronics for industrial manufacturers since 1972. Controllers, drives and HVAC electronics — engineered, produced and tested in Zaragoza, Spain, for clients across Europe and the United States.

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