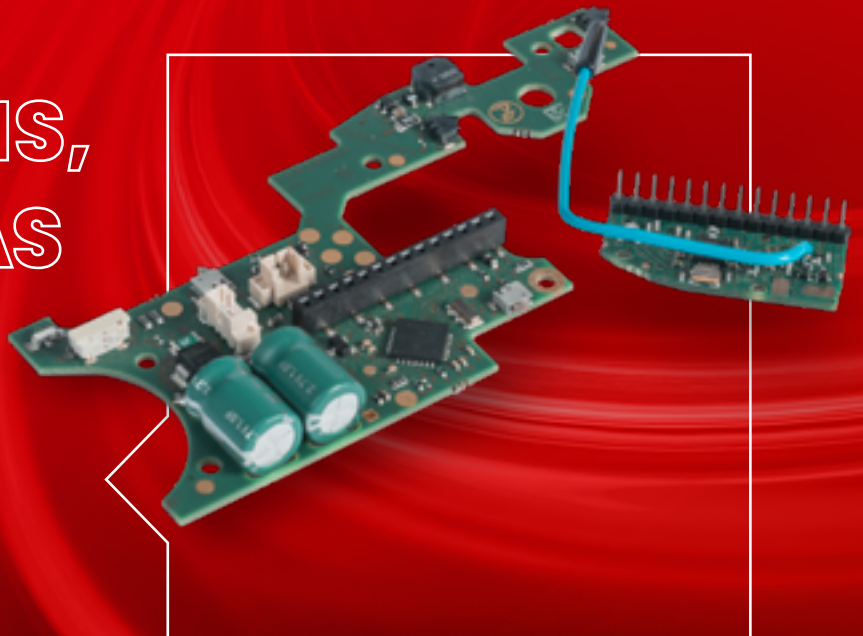


**Your product
in the best hands**

**STRONG
CONNECTIONS,
MOVING IDEAS**



ABOUT DICKERT ELECTRONIC

Made in Germany since 1984

Dickert Electronic GmbH was founded in 1984 by Hans Dickert and specialises in the development, innovation and production of customised, CE-TÜV-VdS-compliant electronics for radio remote controls and control systems for home, buildings and industry. As an EMS and E2MS (EEMS) provider, we also place the highest quality, safety, customer orientation and environmental protection at the centre of our company.

State-of-the-art facilities and highly qualified, motivated employees guarantee optimal production processes, and extremely short lead times for the industry. We supply worldwide market-leading customers

from various sectors such as gate, barrier and fence construction, water management, elevators, lifts, alarm & security technology, locking systems, lighting management, roller shutters & sun protection, metal construction, machinery & plant construction, photovoltaics and many more.

We develop individual products that are precisely tailored to respective requirements as in-house developments, and in partnership with customers. Today, Dickert Electronic is in a position to react quickly and flexibly to customer requirements thanks to regular investments in the latest technologies and constant expansion of the production areas.

Today, around 300,000 hand-held transmitters in more than 300 different variants leave our factory every year. We manufacture and test each of our products to the highest quality and safety standards. We also make no compromises when it comes to environmental protection: since 2008 we have been producing our electricity with our own 40KWp-photovoltaic-system, which was extended with our new building by 150 KWp including a 220kWh storage system. This leads to a coverage of 75% PV-electricity, the rest is purchased CO2 neutral.

Milestones



1984

Company founded
by Hans Dickert



1997

Conversion of
the legal form
into GmbH



2008

Installation of 40 KWp
photovoltaic system

1992

Move into 500 sqm
building at the location
Schönstadt



1998

Expansion of the
operating area
to 1.500 sqm



2011

ISO 9001 Certificate





As a family-run business,
we have been your strong
partner for over 40 years!



2012

Start of production
of the Funk Q series
“QuickLearn” function



2019

5m Dickert handheld
transmitters worldwide
in circulation



2023

€5m investment in new
construction & equip-
ment, total operating
area 4,500 sqm,
installation of 150 kWp
PV system including
220 kWh storage



2016

4m Dickert handheld
transmitters worldwide
in circulation



2021

€3m investment
in new production
facilities



DEVELOPMENT

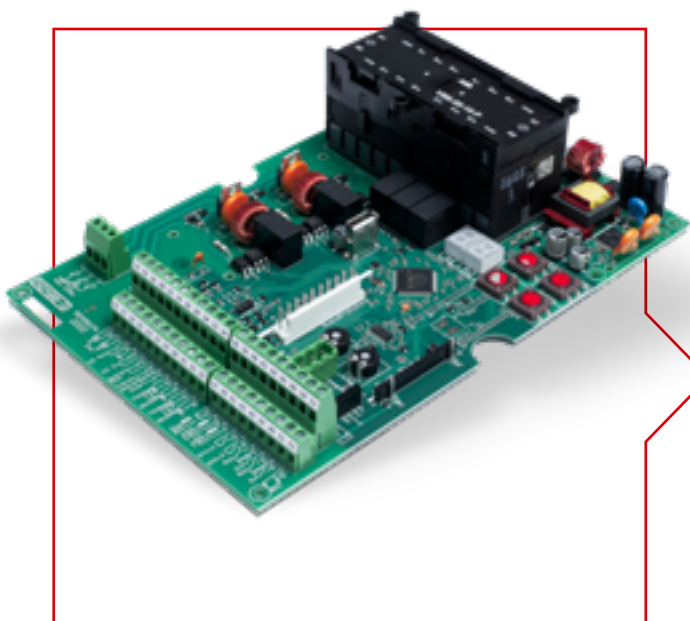
Fast and reliable

Developing customised products is one of our core competencies. To that end, we combine a wealth of experience and acquired know-how with imagination and ingenuity. Whether complex control units for industrial use or simple electronic products for the consumer goods market are needed, developing customer-specific products is one of our key expertise.

From the consolidation of your ideas, development of solution proposals, construction, exchange of 3D data, hardware and software development, prototype construction to certification. In that respect, we aim to achieve an optimal price/performance ratio for our customers by using marketable and available components, production-optimised design, long-term reliability and energy-saving operation.

We remain in contact with you even once the development phase has been completed, and reliably support you with further product optimisations, maintenance, updates or redesigns.



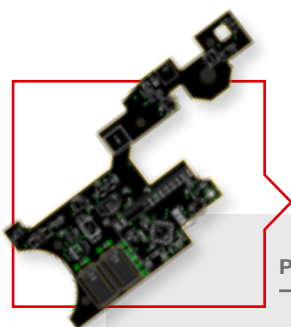


Tasks we assume on your behalf

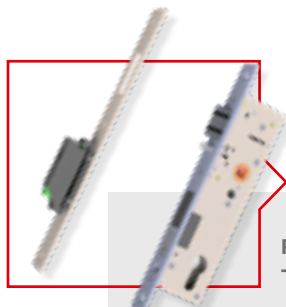
- PCB design, layout and circuit development
- Software programming
- Own production prototypes and series products
- Development and testing of power electronics, including under difficult operating conditions (e.g. temperature, vibration, dust, humidity)
- In-house measurements during development and optimisation for EMC, temperature and performance
- Power-saving and energy-efficient solutions for low standby

PRODUCTION DESIGN

Development process & steps



Productsketch



Product

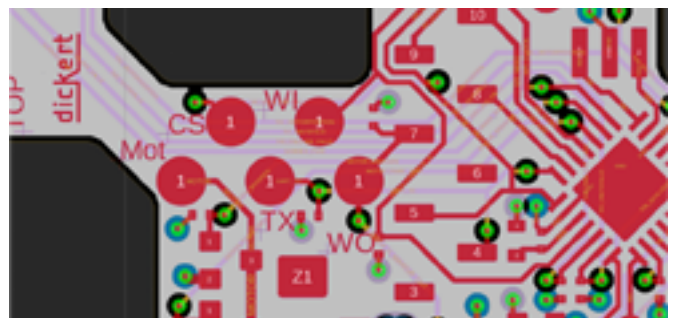


End application

Reference project: Development of electronic door lock

Task / product idea:

- Development of an electronic door lock – locking & unlocking of the exterior handle via radio frequency
- Interior handle with panic function (can always open the door)
- Powered by commercially available batteries
- Direct replacement for standard mortise locks
- Special feature: Locking and unlocking with very low force to conserve battery power



Our Solution:



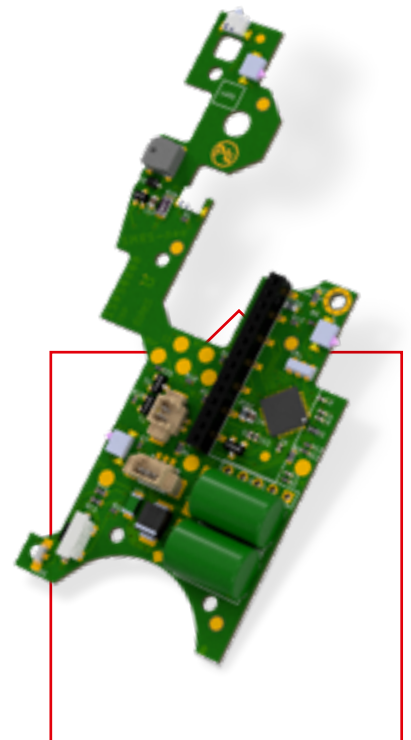
In intensive collaboration with the customer, several variants were realised, which are powered by battery, induction or cable.



In addition to the originally planned control of the lock via radio frequency or two-wire cable, additional versions with a smartphone interface and a universal UART interface were developed.



The electronic door locks are used in hotels, medical practices, law firms, private residences, industrial buildings industrial buildings for room, house, office and access control doors and much more.



TAKING CONNECTIONS A STEP FURTHER



What project do you have coming up?

The term “Connection” has several levels of meaning at Dickert Electronic. We are committed to the developing and realising first-class electronic components and connections every day, and in a similar vein act within the meaning of maintaining excellent connection with our customers and partners. We internalise your requirements, and coordinate matters closely with you to ensure targeted, speedy and economical project progress.

Our equipment:

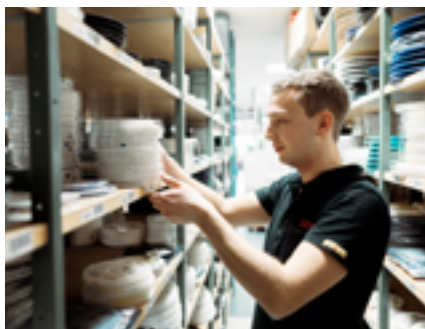
- Drilling and milling plotters for prototype production
- 3D printers
- Siemens EMC measurement chamber with measurement equipment for surge, burst and ESD
- GTEM radio measuring station for radio technology in the range up to 7 GHz
- Measuring receivers, spectrum analysers
- Frequency generators
- IR thermometer, thermal imaging camera
- 600-litre climate chamber (–40 °C to +180 °C)



PURCHASING

Added value for your product

Furthermore, our structures for the procurement of materials and components are tried and tested and well thought through. They are the basis for ensuring that your product ultimately meets all the requirements of a market-oriented design, and is competitive. We prefer to purchase our components directly from the manufacturer and a broad network of reliable partners who have proven themselves in terms of quality, good price-performance ratio and on-time delivery. We deliberately work with unusually high stock levels to deliver to our customers. Once blanket orders or contracts have been placed, we therefore stock up without delay.



SUSTAINABLE PRODUCTION

We invest in the latest technologies and know-how



We offer all our services from a single source, including material procurement, production, programming, final testing, painting, assembly and ESD-compliant delivery - all Made in Germany. We achieve the best prices for purchase quantities of 1,000 to 100,000 units each year. Of course, the development process includes preliminary prototypes and sample productions.

Through regular investments in the latest technologies, continuous expansion of production areas, and ongoing optimization of production processes, we are able to respond quickly and flexibly to our customers' needs.

Our equipment:

- Optical storage station for error-free storage of SMD reels
- Laser marker
- Printed circuit board cleaning system
- Reflow paste printer
- Paste inspection
- SMD pick-and-place machine, sizes from BGAs 010005 to 40 x40 mm
- Nitrogen reflow soldering oven
- Automatic optical inspection system (AOI)
- Nitrogen wave soldering system
- THT- / SMD-AOI before and after soldering
- Nitrogen selective soldering system
- Fully automatic painting system including drying oven and paint-AOI
- Partially and fully automated programming and testing stations
- Pad printer for applying customer logos
- Laser station for marking housings etc.
- Drilling and milling centers for mechanical work

Protective coating:
Precise painting technology to protect the assemblies from dust and moisture.

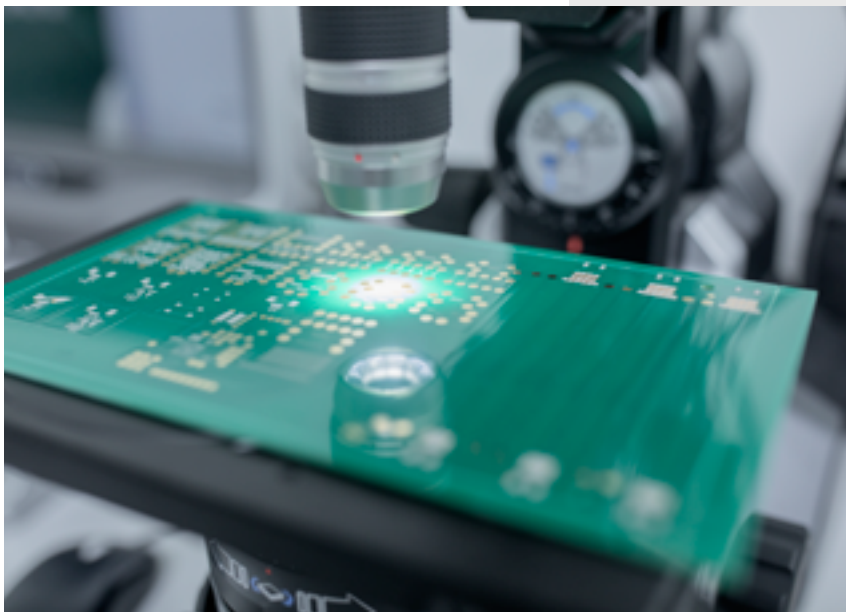


Fast, flexible availability

- 1,000-100,000 units optimum annual purchase quantity
- Fast and detailed quotation
- Everything from a single source (development, production and after-sales service)
- Excellent service and advice
- Production of prototypes and series products



Our mission:
Sustainability and technical excellence
for unrivalled longevity.



Digital microscopy:
Optical analysis of an assembly with
the latest microscope technology.

We are a member of Bundesverband Hersteller und Errichter (BHE / Brücken) für Sicherheitseinrichtungen since 2011 (Federal Association of Manufacturers and Installers).

We are ISO 9001:2015 certified through the association and are regularly audited, repeatedly without any complaints.

FED member from the very beginning.

VdS-certified production facility.

EMS / E2MS SERVICE

Our service for you

We manufacture for you with state-of-the-art equipment: laser station for marking, PCB cleaning system, THT and automatic SMD assembly, automatic optical inspection systems, fully automatic painting system, and much more.

As an additional service, our experienced development team is ready to optimize the manufacturing process regarding the quality of your products and reduce costs. Benefit from our expertise and industry knowledge.

As a strong and long-term partner, we offer you a comprehensive range of services, including electronics development, test engineering, layout service, material logistics, serial production, custom labeling, and packaging.



Are you planning the manufacture of a new product or looking for a partner for outsourcing partial services or EMS/E2MS providers? We develop an optimal manufacturing solution for you and produce using state-of-the-art equipment.



Quality, Innovation, Partnership:
Dickert Electronic - Your path to
custom-made electronics
manufacturing.



Development and manufacturing at the highest level at attractive prices. Our specialization lies in the electronics manufacturing of small, medium, and large series.

We always provide the right solution for various projects in terms of technologies and processes.

At our location in the heart of Germany or in the middle of Europe, we develop and manufacture quality electronics for you.

We would also be pleased to work for you. Please contact us, we are looking forward to your inquiry.

AREAS OF APPLICATION



Gate controls

Our electronics have been used in gate systems for decades in the most varied of ways.

Our high-quality motor controls are as universal as the door industry, like for

- Revolving gates
- Sliding gates
- Rolling gates
- Folding gates
- Sectional gates
- Swinging gates



Car park management

The technical management of car parks is a wide-ranging field of application.

We offer comprehensive solutions for controlling bollards, barriers, and chain lowers for

- Barriers
- Bollards
- Chain deflectors
- Underground garages



Industry

Industrial applications require the highest precision and quality. Do you have a project idea or need electronics for your product? Feel free to contact us. We develop and manufacture custom solutions for e.g.

- Conveyor belts
- Industrial radio
- Lifting systems
- Sensor technology for flow rates in pipelines



Garden

From fountains to garden lighting. For your outdoor oasis, our controls offer comprehensive solutions for

- Pool covers
- Indoor fountain
- Fountains/pumps



Barrier free

Overcome hurdles, create freedom. Technical solutions make everyday life easier. Our quality electronics offer versatile and flexible applications to overcome barriers like

- Stairlifts
- Wheelchair ramps
- Project solutions



Lighting technology

Switching lighting in a wide variety of applications by radio is one of the main areas of application for our radio remote controls. We illuminate ideas for e.g.

- Interior lighting
- Outdoor lighting
- Floodlights



Since the 1980s, Dickert Electronic controls have proven their reliability millions of times. However, this is often not apparent from the outside, as they are custom products that are only “brought to life” by our electronics.



Safety technology

Intelligent networking of technologies creates safety. We have been developing and manufacturing electronic components for safety technology for many years for

- Home emergency call
- Danger alarm systems
- Home control centres



Special applications

Our core business is the development and manufacture of customised electronic assemblies for individual project applications for e.g.

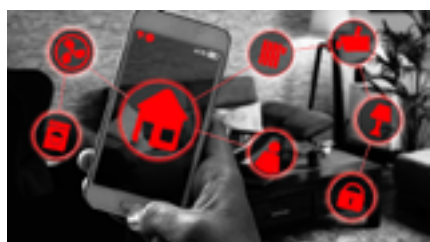
- High-pressure cleaners
- Camping / outdoors
- Church bells
- Agriculture



Solar industry

In the field of photovoltaics, we manufacture electronic components for controlling modules and storage elements on behalf of customers. Together, we advocate for sustainable and environmentally friendly energy generation.

- Solar storage (battery systems, photovoltaics)



Building services

Make connections, bring your ideas to life. Switch your devices wirelessly. Our radio controls offer versatile applications to switch your devices, for e.g.

- Control devices by radio
- Home control centre
- Wireless sockets



Sun protection

Security, sun protection, and reliable controls for electric roller shutters and awnings. For convenient wireless control, we offer a variety of solutions for

- Roller shutters
- Awnings
- Shading (darkening of window panes by applying a voltage)

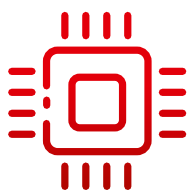


Locking systems

Our electronics are used in door systems such as security locks and panic bars, which are wirelessly controlled, for example, in

- Locking systems - Doors
- Locking systems - cabinets

OWN PRODUCTS

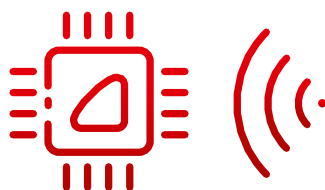


Motor controllers

In the field of motor controls, our electronic assemblies are used in a variety of ways, such as for swing gates, tilt gates, sliding gates, as well as barriers and awnings.

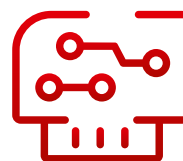
In addition to our standard components, which we offer as stock items, we also manufacture numerous custom motor controls for reputable manufacturers.

For operation via radio frequency, both a radio module and a 'complete receiver' can be used.



Radio receivers

Our radio receivers can be used in diverse applications, whether for switching lights, alarm systems, or fountains. An automatic switch-off time can be configured for each switching output. When selecting, please consider the frequencies and the number of channels. For new installations, we recommend frequencies of 868 and 433 MHz. Frequencies of 40 and 27 MHz are used for replacement of older systems.



Radio modules

Our radio modules are used for receiving serial data wirelessly. Typical applications include our radio receivers and motor controls for operation via handheld transmitters. A module can also be used, for example, for wireless alarm systems, etc. The module is connected via the connector strip socket on the base control, making it easy to replace when needed.

Special versions are available upon request.

Motor controllers drives:

- 24V
- 230V
- 400V

Radio receivers frequencies:

- 27 MHz
- 40 MHz
- 433 MHz
- 868 MHz
- 915 MHz (optional)
- 2,4 GHz (optional)

Radio modules frequencies:

- 27 MHz
- 40 MHz
- 433 MHz
- 868 MHz
- 915 MHz (optional)
- 2,4 GHz (optional)



Dickert – Quality and Sustainability in Focus
Our products embody top-notch performance and environmentally conscious design. Trust in our reliable solutions and innovative features.



Industrial transmitters

With our powerful industrial transmitters, a large number of channels can be controlled through multiple codes, giving you the ability to operate a variety of components within a reception area. For example, this could include operating 1,000 gates with the functions “OPEN-STOP-CLOSE” or 3,000 gates in impulse mode.



Handheld transmitters

Our convenient handheld transmitters allow you to operate various technical systems, such as your roller shutters or swing gates, wirelessly.

When selecting a suitable handheld transmitter, consider the frequencies, the number of channels, and the Keeloq or Linear code version. For new installations, we recommend frequencies of 868 and 433 MHz. Brand your handheld transmitters with your company logo and custom coding. Our team is happy to advise you.



Accessoires

Optimize your Dickert products and projects with our high-quality accessories:

Our isolation relays suppress interference on control lines and control inputs through galvanic isolation. Our additional cards provide selected motor controls with additional special functions.

The antennas are used to optimize the range and signal of a radio system in the respective frequency range.

Industrial transmitter frequencies:

- 40 MHz
- 433 MHz
- 868 MHz

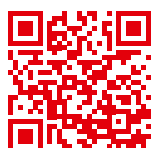
Handheld transmitter frequencies:

- 27 MHz
- 40 MHz
- 433 MHz
- 868 MHz
- 915 MHz (optional)
- 2,4 GHz (optional)

Accessoires

- Isolating relay
- Additional cards
- Antennas
- Spare batteries

Onlinecatalogue & Webshop



Discover our exclusive offers and high-quality products - all with a simple scan.

Find your perfect product among our wide range of options and enjoy the convenience of online browsing and easy ordering.

OUR SERVICE FOR YOU

We are there for you



Our service team would be happy to advise you on the selection of suitable products to suit your requirements, and their conditions of use and connection. We are also your contact for repairs and complaints.

We aim to ensure many years of fault-free operation for your customers. We would be pleased to render services for you, and look forward to your enquiry via Service@dickert.com or phone: +49 6427 / 9224-14.

For immediate support, you can use the [help pages on our website](#)

Antenna installation



Linear- or KeeLoq-code



Radio transmitter instruction



Coding switch



QuickLearn – Q-series



Error analysis – FAQs



OUR PHILOSOPHY

People make the difference

At Dickert Electronic GmbH, we consider our employees to be our most valuable asset. We understand that the successes we celebrate as a company are directly attributable to the commitment and dedication of our workforce. They “are” the company, in every sense of the word.

We foster a culture of short communication paths and openness. This creates an environment that allows for individual needs and perspectives. We actively advocate that appreciation and integration are not just empty words but lived realities. We believe that recognizing each individual and fostering harmony are the foundations of our success.

Diversity is not an empty promise for us but an integral part of our corporate spirit, reflected both in our team and in the various work areas. With two managing directors at the helm, our highly committed team spans various professions, from executives and development engineers to quality assurance staff and interns.

Furthermore, we are always on the lookout for new, motivated team members who want to steer the future with us. If we have piqued your curiosity, we are happy to arrange a meeting to get to know each other better.

Let us shape the future together – whether as part of our team or as a valued customer. At Dickert Electronic GmbH, people make the difference. Contact us to learn more.



Your partner for a more sustainable EMS production



At our location in Cölbe-Schönstadt, thanks to our photovoltaic system, we produce nearly CO₂-neutral products for our customers.

- ISO 9001, VdS certified, FED Member
- Production area 4,500 sqm
- Annual production volume approx. 800k controls
- SMD-Component sizes from BGAs, 01005 to 40x40mm
- 70 employees



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Contact

We look forward to your inquiry.

Dickert Electronic GmbH
Fünfhausen 1
D-35091 Cölbe-Schönstadt

Phone: +49 (0)6427 9 224 0
info@dickert.com
www.dickert.com

