KNESTEL
TECHNOLOGIE & ELEKTRONIK

we invent solutions
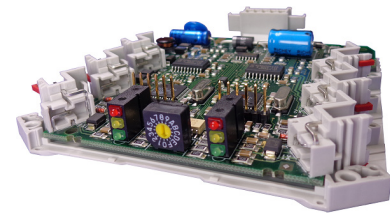
BLIND CONTROL
with connection to
Building Management System

for building and propulsion technology

Technology fields

MCR technology, propulsion technology

Project requirements

The **project objective** was the development and production of a modular expandable control system, in order to be able to control up to 64 blind motors can be controlled simultaneously. The operation is done via a building control system as well as manually via digital inputs (external buttons). The control unit is parameterized via a serial interface. An encoder is provided to determine the exact position of the motors.

Facts/Highlights

- Connection to building management system via Modbus
- Control up to 64 motors in parallel
- RS485 interface
- Encoder for exact position determination of the motors
- Status display via 3-fold LED (red/yellow/green)
- Modular electronics housing with T-BUS connector

Services of KNESTEL

Potential analysis, target price estimation, project management, specifications, project planning, development of software and hardware, electrical and mechanical design, EMC test, prototyping, series production

Possible Applications

- Blinds/shutters
- Garage doors
- Window/skylight
- Doors

About KNESTEL: Knestel has been developing and producing customized electronic and mechatronic special solutions in the fields of motor and machine control, frequency converters, image processing, MCR technology, software development, radio, bus systems and gas analysis for 40 years.
We support our customers from the idea to the finished implementation. Individual solutions and concepts
 - technically up to date. Our production - electronics manufacturing, device and switch cabinet construction, Production of subassemblies, assembly and mechanical processing - is equipped with the latest technology.

KNESTEL Technologie & Elektronik GmbH
Osterwalder Straße 12
D-87496 Hopferbach
Tel.: +49 (0) 8372 708-0
info@knestel.de
www.knestel.de