

# Datasheet

## Instruction

This is a KNX RS485 bidirectional converter for building and home intelligent control systems. It realizes transparent data conversion and forwarding between KNX bus and RS485 devices, supporting customizable communication parameters, bus monitoring, filtering, and status feedback. It is widely used for integrating third-party RS485 devices into the KNX system.

## KNX RS485 Converter



## Key Features

- Open RS485 communication protocol
- Bidirectional conversion between KNX and RS485 telegrams
- Custom transmit/receive message format
- Bus monitoring and filter function (max 254 group addresses)
- LED indication for programming and running status
- DIN-rail mounting for easy installation

## Parameters

- Model Number: SH-KAWA-DAC001
- Power Supply: DC 21V-30V
- Input Voltage: 230V AC, 50/60Hz
- Output Voltage: DC12V
- RS485 Output: 1 channel, 9V-40V DC (recommended 12V/24V)
- Connections: KNX
- Installation: 35mm DIN Rail Mounting
- Dimension: 72 x 90 x 64 mm
- Weight: 0.144kg
- Working Temperature: -5°C to +45°C
- Storage Temperature: -25°C to +55°C
- Working Humidity: <93%RH (non-condensing)

