O4 KNX IP Interface ⁺IoT

IP Interface between LAN , KNX bus,RS485 and 4 I/O

Data sheet

smart

Application area

KNXnet / IP Interface allows telegrams to be transmitted
Quickly between different lines over LAN (IP)
spine.
In addition, these devices are suitable for connection.
from a PC to the KNX network and from the Cloud to
the KNX network from PC, eg. For ETS programming.
IP address, static default IP or
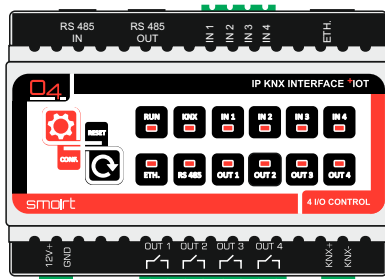manual configuration (Spadmin), respectively.

Figure 1 : Photo of device

This device works according to KNXnet / Ipspecification,
device management, tunneling andsection routing
using the kernel. Allows connection with local network
and Cloud. Connects to home control panel or
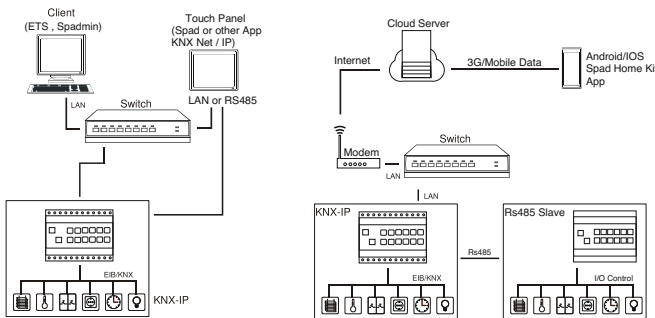MODBUS devices with Rs485 connection

Figure 2 : Typical application 1
(Local Network ETS and Touch Panel)

Figure 2 : Typical application 2
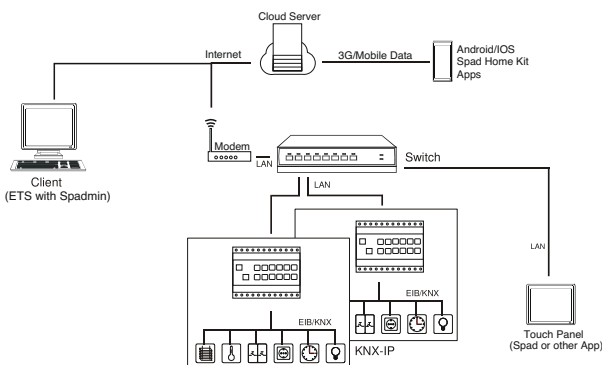**(Cloud connection, Spad HomeKit Apps)**

Figure 2 : Typical application 3
(Cloud connection, ETS with Spadmin support)

Technical data

Electrical safety
  •Protection (according to EN 60529): IP 20
  •Safety extra low voltage SELV DC 29 V

According to CE mark
  •Low voltage directive 2014/35 / EU
  •EMC directive 2014/30 / EU
  • RoHS directive 2011/65 / EU (RoHS2)
  •EN 50491-3: 2009, EN 50491-5-1: 2010
  •EN 50491-5-2: 2010, EN 50491-5-3: 2010
  •EN 61000-6-2: 2005
  •EN 61000-6-3: 2007 + A1: 2011
  •EN 50581: 2012 (RoHS2)
  * CE declaration can be requested from info@smartcozum.com.

Environmental Requirements
  • Ambient temperature. operating: - 5 ... + 45 ° C
  • Ambient temperature. non op: - 25 ... + 70 ° C
  • Rel. humidity (non-condensing): 5%… 93%

Mechanical Data
  •Housing: Plastic
  •DIN rail mounted device, width: 6 units
  •Dimensions : 85x104x57 mm
  •Approximate weight. 300 grams

Operational controls
  •Learning button for configuration
  •Reset Button

Indicators
  •Running LED (Red)
  •Signal LED (Red) for KNX
  •Signal LED (Red) for LAN
  •Signal LED (Red) for Rs485
  •4 Inputs LED (Red) for Inputs
  •4 Outputs LED (Red) for Outputs

Ethernet
  •100BaseT (100Mbit / s)
  •Supported internet protocols ARP, ICMP,
   IGMP, UDP / IP, TCP / IP, DHCP , HTTP ,
   HTTPS , DNS , MDNS , MODBUS ,
   Up to 4 KNXnet / IP Tunneling simultaneously.

Power
  •External supply 9-36 V DC
  •Power consumption: <950 mW

Connectors
  •Screw connector for KNX
  •LAN RJ-45 socket
  •Screw connector for power supply
  •RS485 RJ-45 socket

Inputs
  •Isolations 4 Inputs
  •Input Current 50mA

Outputs
  •Relay control 4 Outputs
  •16A Max Current Relay
  •Relay Inrush Current 80A