

### MDT Interface, MDRC

Version		
SCN-USBR.02	USB Interface	2SU MDRC
SCN-IP000.02	IP Interface with IP Secure and Data Secure	2SU MDRC
SCN-IP100.02	IP Router with IP Secure and Data Secure	2SU MDRC
SCN-LK001.02	Line Coupler with Data Secure	2SU MDRC

MDT technologies offers four KNX Interfaces to enable communication between PC and the KNX/EIB system.

**KNX USB Interface:** The USB Interface enables the communication between the PC and the KNX/EIB system. The USB interface is galvanically isolated from the KNX/EIB bus.

**KNX IP Interface:** The IP Interface enables the communication between the PC and the KNX/EIB system via LAN. 4 simultaneous connections possible.

**KNX IP Router:** This interface offers the same functions as the IP Interface, but the device routes telegrams as a line/area coupler using the the LAN.

**KNX IP Line Coupler:** The Line Coupler connects two KNX lines to each other. Electrical isolation between the lines and reduction of the busload by using the filter function.

The MDT KNX Interfaces are modular installation devices for fixed installation in dry rooms. They fit on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT KNX Interfaces it is recommended to use the ETS. Please download the application software at [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)

#### USB Interface:

- To enable bidirectional communication between PC and the KNX bus via USB
- PC sleepmode is supported
- **Firmware can be updated**
- Fully compatible to ETS3/4/5/6

#### IP Interface:

- To enable bidirectional communication between PC and the KNX bus TCP/IP
- 4 simultaneous connections possible
- Programming the KNX bus via TCP/IP
- **Power supply by KNX bus, no external bus power supply required**
- **Encrypted transmission at sending emails**
- **Time server functions to send time and date on the KNX bus**
- **Firmware can be updated**
- **Supports extended group addresses**
- **KNX IP Secure and KNX Data Secure (from ETS 5.7)**
- **Secure access to the KNX bus through IP Secure with security key**

#### Line Coupler:

- Line Coupler to connect two KNX lines to each other
- Electrical isolation between the lines
- Separate bus power supply for each line required
- Filter functions to reduce bus load
- **Supports extended group addresses**
- **Supports KNX Data Secure (from ETS 5.7)**

SCN-USBR.02



SCN-LK001.02



SCN-IP100.02



SCN-IP000.02



Technical Data	SCN-USBR.02	SCN-IP000.02	SCN-IP100.02	SCN-LK001.02
<b>Interface</b>	USB	Ethernet	Ethernet	KNX
<b>Specification KNX interface</b>	TP-256	TP-256	TP-256	TP-256
<b>Available application software</b>	ETS 3/4/5/6 with long frame support for ETS5/6			
<b>Permitted wire gauge</b>				
Screw terminal	--	0,5 - 4,0mm <sup>2</sup> solid core 0,5 - 2,5mm <sup>2</sup> finely stranded		--
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core
<b>Power Supply</b>	KNX bus	KNX bus	KNX bus	KNX bus
<b>Power consumption</b>	< 0,3W	< 0,8W	< 0,8W	< 0,3W each line
<b>Operation temperature range</b>	0 to + 45°C	0 to + 45°C	0 to + 45°C	0 to +45°C
<b>Enclosure</b>	IP 20	IP 20	IP 20	IP 20
<b>Dimensions MDRC (Space Units)</b>	2SU	2SU	2SU	2SU