

Features

KNX/EIB is a gateway between HDL-Bus and KNX/EIB ,

- Support various Data Point
- Two-way communication for HDL-Bus and KNX/EIB.
- Maximum objects is **254**.

Important Notes

- **Bus cable** - CAT5E or HDL Bus/KNX/EIB cable
- **HDL- Bus connection** - Recommend connection of Bus wire hand by hand
- **Configuration** - only by HDL-BUS Pro Setup tool
- HDL Bus port need DC24V input

Product Specifications

- HDL-Bus input voltage : DC15~30V
- HDL-Bus input current :5mA/DC 24V
- KNX/EIB input voltage : 21-30 V DC
- KNX/EIB input current : < 6mA
- Communication : HDL-Bus, KNX/EIB
- Software Programming : HDL-BUS Pro Setup tool
- Dimension : 72mm×90mm×66mm
- CE approved
- IP Protection : IP20
- Working Temperature : 0°C ~ +45°C
- Working Relative Humidity : 20% - 90%
- Storage Temperature : -40°C- +55°C
- Storage Relative Humidity : 10% - 93%

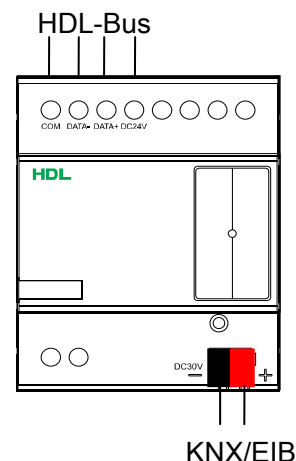


Safety Attention

- Do not make wrong connection on Bus interface, it will damage the Bus interface
- Do not get AC power into Bus and KNX/EIB cable wire , it will damage all of devices in system
- Avoid the rain or water into module, it will damage this devices

Type

SB-DN-EIB



HDL-Bus Definition for cable

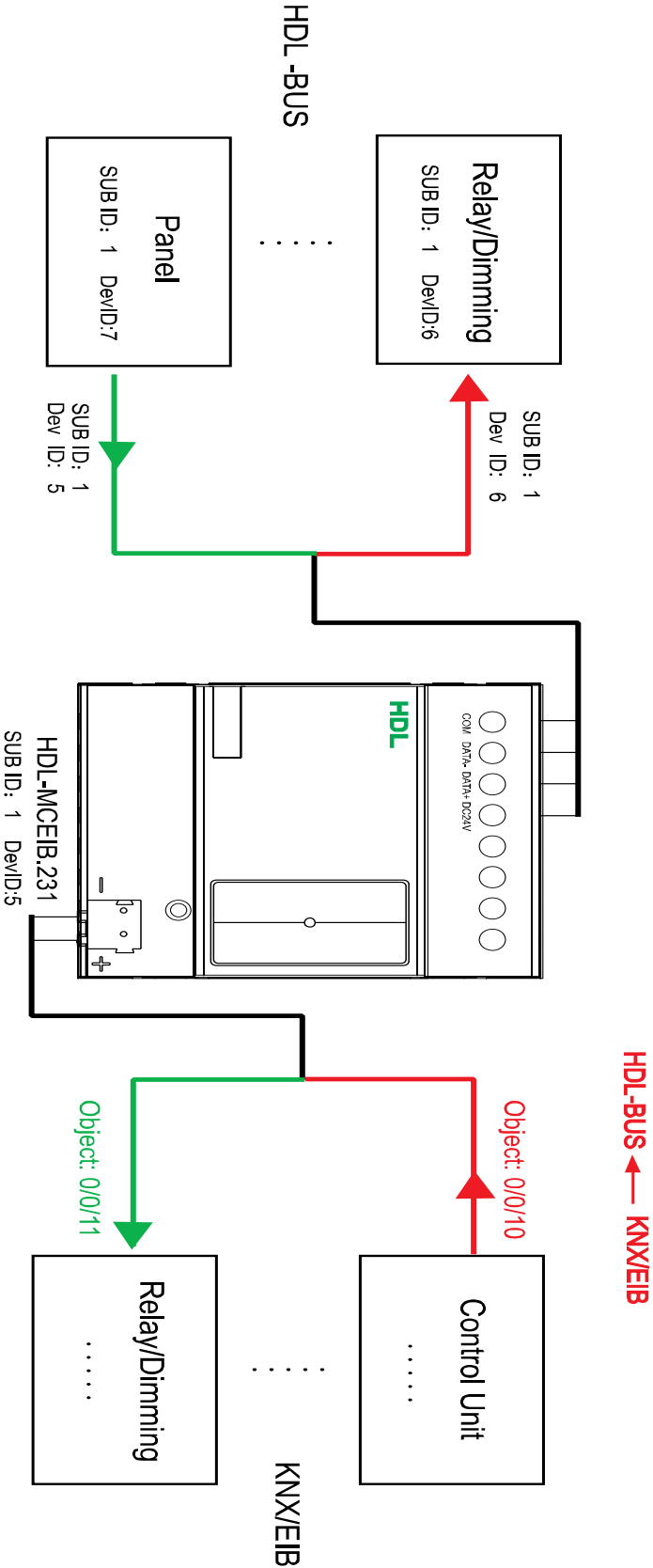
CAT5/CAT5E	Bus	HDL Bus/KNX Cable
Brown White/ Orange White	COM	Black
Blue White /Green White	DATA-	White
Blue/Green	DATA+	Yellow
Brown/ Orange	DC24V	Red

Supported Data Point type as following:

Scene switch (1byte[1...99])
 Scene dimming (4bits)
 Sequence switch (1byte [1...99])
 Switch (1bit)
 Channel switch (1bit)
 Channel dimming (4bits)
 Broadcast scene (1byte[1..99])
 Broadcast Channel switch (1bit)
 Broadcast Channel dimming (4bits)
 Curtain open:1bit (1-ON;0-FF)
 Curtain close:1bit (1-ON;0-FF)
 Message:1byte (1...20)
 String:14 bytes (14bytes)
 Absolute dimming (1byte)
 Actual temperature (2bytes)
 1bit response (1bit)
 1byte response (1byte)

Conversion Settings by HDL-BUS Pro Setup tool

EIB/HDL-BUS Configuration table information							
Table no.	EIB main group address	EIB middle group address	EIB sub group address	HDL subnet ID	HDL device ID	HDL control type	
1	0	0	10	1	6	Scene	1((Area no.)
							N/A
							Valid
							EIB->HDL BUS



EIB/HDL-BUS Configuration table information							
Table no.	EIB main group address	EIB middle group address	EIB sub group address	HDL subnet ID	HDL device ID	HDL control type	
1	0	0	11	1	7	Scene	1((Area no.)
							N/A
							Valid
							HDL BUS->EIB

Note: Sub ID and Device ID are according to actual configuration Settings.