Description

- The 4-channel Analog/Digital interface is equipped with 4 independent channels which may be used as inputs for Analog or Digital signals.

- Each channel may be used depending on the parameterization by the ETS:

  - Binary input: the interface can evaluate at its potential-free inputs up to 4 pushbutton/switch states and send the corresponding telegram according to the configured setting as: Switch, Dimmer, Multiple Switch, Sequential Switch, Shutter/Blind control, Scene Control, Fixed/Forced value or Counter.

  - Analog input: temperature sensor by connecting an external temperature probe (ST KNT 001 or ST KNT 002).

- Can be configured and enabled up to 4 room Thermostats for heating and/or cooling control systems.

- Flush-mounting in universal box, behind the pushbutton/switch.

- Supply from the Bus. External supply is not required.

- Built-in KNX BCU (Bus Coupler Unit).
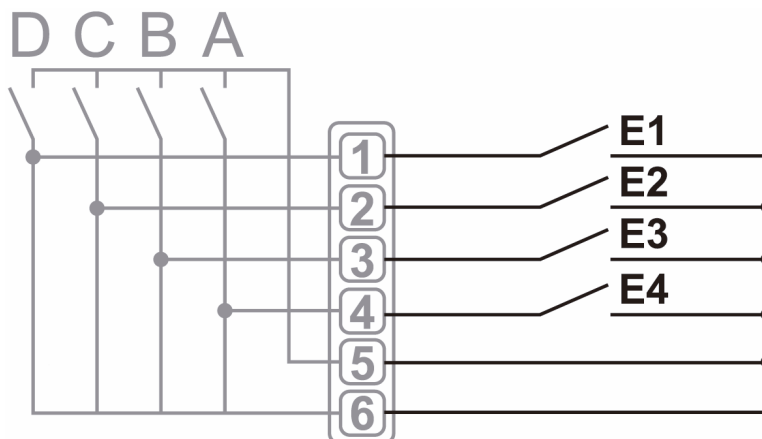
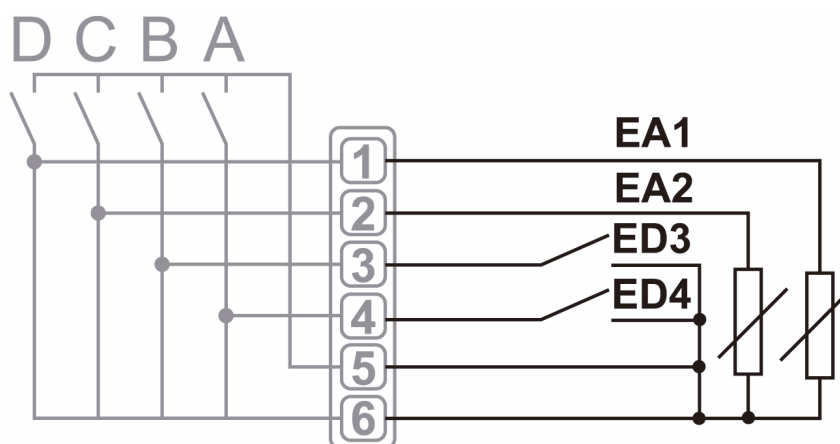- Programming and commissioning by ETS4 or later.

Technical Data

Reference	EM KNT 002
Power Supply	21 ~ 32V_{DC} (via Bus)
Power Consumption	< 10mA
Wires Length	~ 30cm
Line Length	< 10m
Connection Type	TP1 KNX Bus connector
Number of Inputs	4 channels
Input Polling Voltage	20V_{DC}
Input Current	0,5mA
Output Voltage	5V_{DC}
Output Current	< 2mA
Measured Temperature (probe)	-40ºC ~ +100ºC
Commissioning	ETS4 or later
Mounting	Flush-mounting within universal box
Safety	Short-circuit, Overload and Wrong Polarity protection
Dimensions	38 x 42 x 15mm
Working Temperature (sensor)	-5ºC ~ +45ºC
Protection Degree	IP20, according to EN20324

Wiring Diagrams

- With 4 Binary inputs:

D C B A

1 — E1
2 — E2
3 — E3
4 — E4
5
6

- With 2 Binary and 2 Analog inputs:

D C B A

1 — EA1
2 — EA2
3 — ED3
4 — ED4
5
6

Accessories

● Two different temperature probes can be connected to the EM KNT 002:

· **ST KNT 001**:
  - NTC Epoxy Temperature probe.
  - High accuracy and stability over a wide temperature range.
  - A cable of 3m length is included.
  - Ø7mm.

· **ST KNT 002**:
  - NTC Epoxy Temperature probe.
  - High accuracy and stability over a wide temperature range.
  - A cable of 0.5m length is included.
  - Ø5mm.