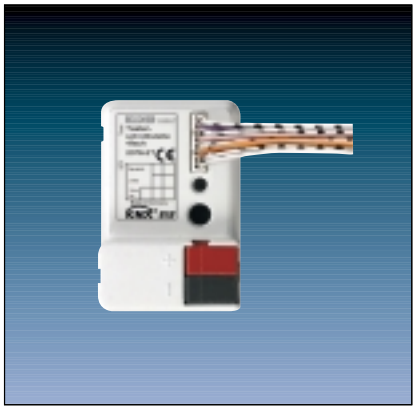
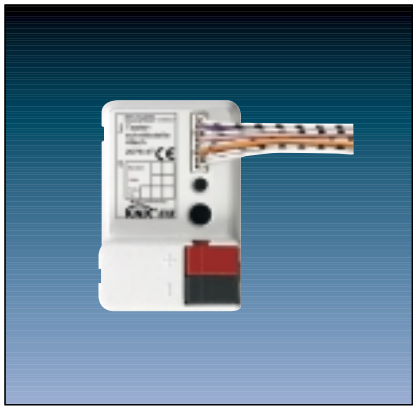
1





2

	Ref.-No.
KNX push-button interface,	
2-gang	**2076-2 T**
4-gang	**2076-4 T**
ETS-product family:	Input
Product type:	Binary input

3

The 2-channel (4-channel) push-button interface has 2 (4) independent channels which – depending on parameterization – can be used as inputs or alternatively as outputs. The push-button interface can therefore be used to poll its inputs for the switching state of up to 2 potential-free push-buttons/switches with a common reference potential and send the corresponding telegrams to the KNX. These may be telegrams for switching or dimming, shutter/blind control or value transmitter applications (dimming value transmitter, light-scene extension, temperature or brightness value transmitter). Moreover, 2 switching event counters or 1 pulse counter (only channel 1) are available.
Channels 1 and 2 can be used alternatively as independent outputs for controlling up to two LED's. To increase the output current (cf. Technical Data), the channels can also be connected in parallel if they are parameterised alike. The outputs are short-circuit-proof and protected against overloading and false polarity.

Connection 230 V signals or other external voltages to the inputs is not permitted.

4

Technical data

KNX supply	
Voltage:	21 – 32 V DC SELV
Power consumption:	typ. 150 mW
Connection:	bus connection and branching terminal
Response to voltage failure	
Bus voltage only:	no response (outputs switching off)
Response to return of voltage	
Bus voltage only:	the response of the inputs and the outputs can be parameterised
Protection:	IP 20
Safety class:	III
Mark of approval:	KNX
Ambient temperature:	–5°C ... +45°C
Storage/transport temperature:	–25°C ... +70°C (storage above +45°C results in shorter lifetime)
Mounting position:	any
Minimum spacings:	none
Fastening:	e.g. placing into deep flush-mounting box (Ø 60 mm x 60 mm)

4 Technical data

Inputs

Number:	up to 2 (depending on parameterization: channel 1 to 2), 2076-2 T up to 4 (depending on parameterization: channel 1 to 4), 2076-4 T
Line length:	25 cm prefabricated, extendable to 5 m max.
Scanning voltage:	continuous signal
Loop resistance:	max. 2 kOhm for safe detection of a “1” signal (rising edge)

Outputs

Number:	up to 2 (depending on parameterization: channel 1 to 2)
Line length:	25 cm prefabricated, extendable to 5 m max.
Output current:	max. 0.8 mA per output channel (at 1.5 V, typ. for red low-current LED)
Output voltage:	typ. 1.5 V (e.g. red-low current LED) (5 V with outputs open circuit)

Outputs:

- Independent switching of max. 2 outputs
- Outputs parameterizable as n.o. contact (ON: output supplies current / OFF: output supplies no current) or as n.c. contact (ON: outputs supplies no current / OFF: output supplies current)
- Preferred state on return of bus voltage presettable
- For each output additional feedback and additional function possible:
- Presettable additional functions:
  - logic-operation function with 3 logic parameters
  - disabling function with presettable disabling behaviour of the relays
  - priority-position function to fix the priority of arriving switching telegrams
- Feedback object invertible
- Delay on return of bus voltage centrally presettable
- Turn-on delay and/or turn-off delay or timer function separately presettable for each output
- Output signal as flashing signal (flashing frequency parameterizable in 3 steps)

Note: For parallel connection of the outputs, the maximum total output current increases to 1.6 mA. In the event of parallel connection, outputs 1 and 2 must be parameterised exactly alike (none of the output signals flashing).
The outputs are short-circuit-proof, protected against overloading and false polarity.

Important:
– Connect only potential-free switches or push-buttons to the inputs.
– To obtain sufficient signalling brightness, it is recommended to connect “**low-current** LED” to the outputs.

For detailed information please refer to the binary input REG devices shown on the following pages.