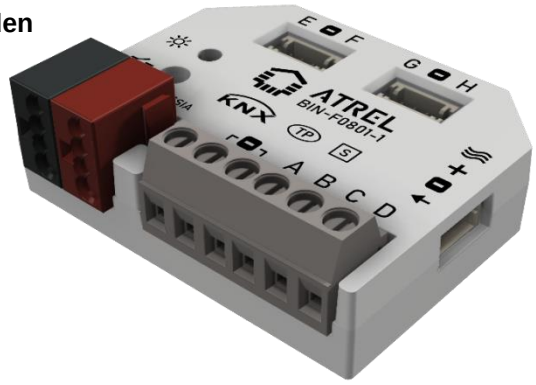
Module of binary inputs/outputs, temperature/humidity/brightness sensor inputs and a leak sensor input in a compact housing for hidden installation in the mounting box.



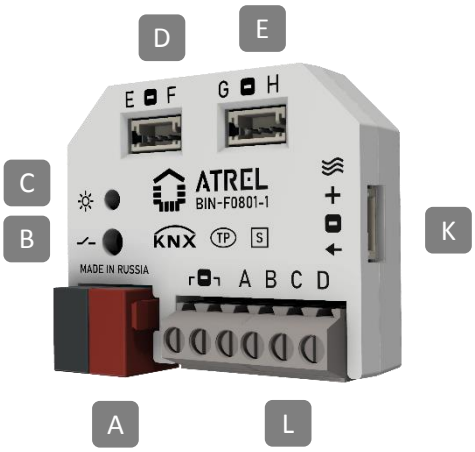
Features**:**

- Up to 8 binary inputs
  - Switch mode
  - Short/long press
  - Pulse counter
  - Scene activation
  - Curtain control
  - Dimmer control
- Up to 8 LED outputs
- Up to 4 NTC temperature sensors
- Up to 4 loops with digital temperature sensors (up to 4 sensors on each loop, with the function of averaging, maximum, minimum values)
- Up to 4 loops with digital humidity sensors art. Atrel OWH-S0110-1
- Up to 4 loops with digital light sensors art. Atrel OWL-S0110-1
- Connection of a passive sound source of the "piezoelectric emitter" type
- Connector for connection of the «Neptune» leak sensor
- 4 thermostats
- 20 logic modules, with the ability to configure any of the 31 functions for each

Technical specifications:

Specifications		
Device power supply	from the KNX bus, without external power supply	
Number of inputs, max	8	
Number of outputs, max (for LED up to 2mA each)	8	
Connection type	Two 3-wire connectors (with 10 and 20 cm cable)	
Maximum length temperature sensor cable	30 meters	
Cable cross-section	Up to 1mm²	
Type of installation	Into the mounting or junction box	
Input for the "Neptune" type leak sensor		
Connection type	3-wire connector with cable (10 cm)	
Operating voltage	12-15V	
Maximum allowable consumption	2mA (up to two sensors connected in parallel)	
KNX Interface		
Specification	TP-256	
Configuration program	ETS 5.7 or above	
Connection	Standard TP1 KNX/EIB connector (type WAGO 234-211)	
Operating voltage	21-30V DC	
Operating current (29V DC)	<= 5mA	< 150mW
Environmental conditions		
Operating temperature range	0 to +45°C	
Operation humidity range	5 to 95% (non-condensing)	
Storage temperature	-20 to +45°C	
Other		
Housing material	PC/ABS	
Fire resistance class	UL94-V0	
Weight	20 g.	
Size	42x33x12mm	

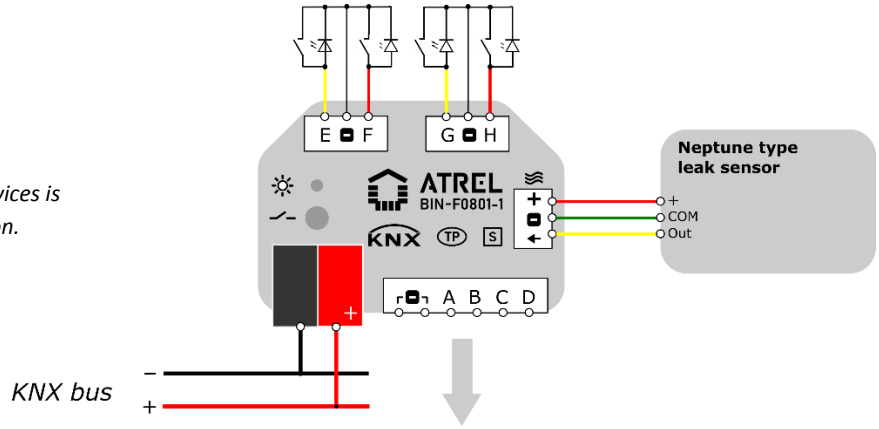
Controls and indications



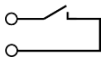
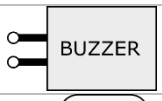
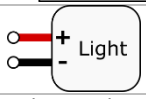
A - Terminal for connecting the KNX bus
B - Button for programming mode
C - Programming mode LED
D, E - Connectors for cable connector
K - Connector for the Neptune type leak sensor
L - Screw terminal block

Connection diagram

Any combination of these devices is acceptable in any combination.



Device connection diagrams

Terminal	Image	ETS	Purpose	Accessory, Note
A, B, C, D		Binary input	A "dry contact" type input for connecting a switch, a button	
A, B, C, D [**]		Temperature sensor	Input for the NTC or digital temperature sensor	NTC-S0101-1, NTC-S0102-1, NTC-S0103-1
A, B, C, D [*]		LED output	Output for LED type indicator, permissible current up to 2mA	
A, B, C, D [*]		Humidity sensor	Input for digital humidity sensor	OWH-S0XXX-X
A, B, C, D [*]		Digital temperature sensor	Digital temperature sensor input	OWR-S0101-1
A		Buzzer	Output for a passive sound emitter of the "piezo emitter" type	
A, B, C, D [*]		Light sensor	Digital light sensor input	

** It is necessary to observe the polarity, negative (black) wire can be switched to any negative terminal [-]*
*** Any of the wires can be connected to any negative terminal [-]*

Supported computing functions:

Logical	Operands (max)
Logical "And"	8
Logical "OR"	8
Logical "XOR"	8
Multiplexer, 1Bit	7+select
Memory cell, 1Bit	1+write+restore
Comparisons	
All equal (with hysteresis)	8
First smallest (with hysteresis)	8
First smallest or equal (with hysteresis)	8
First largest (with hysteresis)	8
First largest or equal (with hysteresis)	8
Mathematical	
Summation	8
Subtraction	8
Division	8
Multiplication	2
Remainder of division	2
Data accumulator	1+reset
Statistical	
Maximum	8
Minimum	8
Average	8
Trimmed mean	8
Sliding average	1
Quantity of non-zero values	8
Other	
Logical conversion / Gate	1
Format conversion / Gate	1
Switch with 2 thresholds	1
Differential switch	1+reset
Pulse counter	1+reset
Multiplexer	7+select
Input number indicator	8
Memory cell	1+ write +restore
Staircase timer	1

Accessories:

Name	Article number
Temperature sensor NTC 10k 0.5%. cable 1.3*2.7mm, 1 meter	NTC-S0101-1
Temperature sensor NTC 10k 1%, cable ø4mm, 3 meters	NTC-S0130-1
Temperature sensor NTC 10k 1% with sleeve, cable ø4mm, 3 meters	NTC-S0130-2
Digital temperature sensor, cable ø4mm, 3 meters	OWR-S0130-1
Digital humidity sensor for BIN-F0801-1 2*AWG24, 0.2 meters	OWH-S0102-1
Digital light sensor for BIN-F0801-1 2*AWG24, 1 meter	OWL-S0110-1
Buzzer 2000Гц 65Db	BUZ-S2000-1
Buzzer 4000Гц 70Db	BUZ-S4000-1