

BEW-TEMDIS

Smart-house Temperature Controller with display

Display current room temperature

Display outdoor temperature

Turn on/off heating and cooling

Set wanted room temperature

Energy Save through night setback temperature

Channel Programming using BGP-COD-BAT

The use of floorsensor is optional

Delivered with pre-programmed address on I/O 2



GENERAL SPECIFICATIONS

Channel programming	By BGP-COD-BAT
No. of channels	2 needed + 3 Optional
Channel assignment	I/O 1: Not programmed I/O 2: Pre-programmed to address B2 I/O 3: Not programmed I/O 4: Not programmed I/O 5: Not programmed
Housing	ELKO

Environment

Degree of protection	IP 20
Operating temperature	0° to +50°C (32° to +122°F)
Storage temperature	-20° to +70°C (-4° to +158°F)

Humidity (Non condensing) 20 - 80%

Weight 50 g

Dimensions

ELKO 86 x 86 x 24 mm

Max. wire in terminals Max. 2 x 0.75 mm²

SUPPLY SPECIFICATIONS

Power supply	Supplied by smart-house
Consumption	
LED OFF	< 0.5 mA
LED ON	< 1.2 mA

INPUT SPECIFICATIONS

Sensor	1 integrated temperature sensor
Range	0 - 50°C (32 - 122°F)
Precision	± 1°C

Floor sensor

Temperature range	0 - 50°C (32 - 122°F)
Cable length	4 m

Cable consists of 4 wires:

Brown	Connect to "+" on Temperature controller
White	Connect to "c" on Temperature controller
Yellow	Connect to "d" on Temperature controller
Green	Connect to "L" on Temperature controller

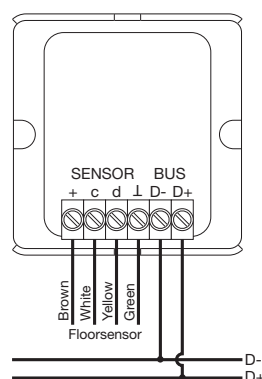
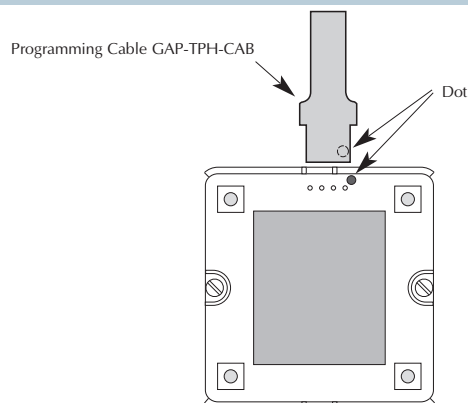
"See wiring diagram"

The sensor is an electrical sensor and will only work together with the Temperature Controller unit.

TYPE SELECTION

Supply	Colour	Ordering no.
By smart-house	White	BEW-TEMDIS
	Grey	BEG-TEMDIS
	Antrasit	BEA-TEMDIS

WIRING DIAGRAM



Mode of Operation

Channel Programming

Using the BGP-COD-BAT programming unit, each of the 5 channels on the Temperature Controller can be assigned any address between A1 and P8. The programming socket can be accessed by removing the front of the housing. The allocation of the channels are as follows:

I/O	Description
Needed I/O's	
1	DataLink Data Channel input/output Split I/O
2	DataLink Synchronization Channel input
Optional I/O's	
3	Analink Temperature output.
4	Floor thermostat Analink output
5	Floor thermostat Alarm High temperature output

*** Note:** If a description of the heating/cooling outputs is required, please consult the manual for the smart-house controller BH8-CTRLZx-230. See paragraph 2.3.5

Please note that the unit can be programmed to both cooling and heating, but the mode required has to be selected on the display. For instance, cooling control can be selected during the summer and heating control during the winter.

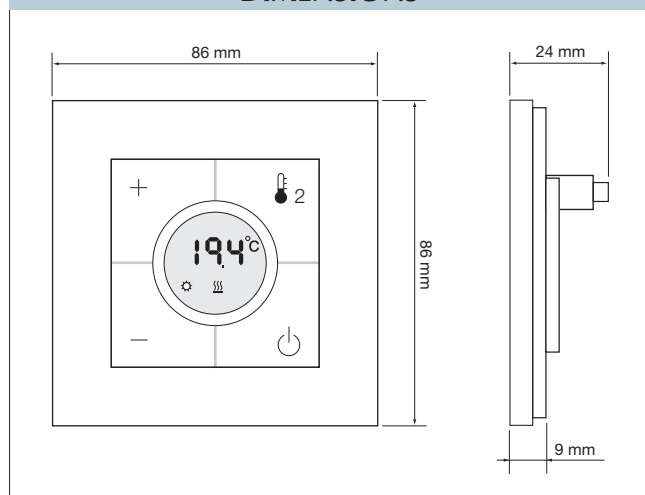
The temperature controller works with both floor sensor and Room sensor. It is possible to enter the smart-house controller software to change / program which sensor is used (or both), together with the Temperature controller

Symbol description:

On the display the following five symbols are used.

-  – Temperature symbol 2, indicates that the outdoor temperature is currently shown in the display.
-  – Heat symbol, indicating that a heat application is currently selected.
-  – Frost symbol, indicating that a cooling application is currently selected.
-  – Sun symbol, indicating that the current application is running in normal mode.
-  – Moon symbol, indicating that the current application is running in night setback mode.
-  – Frost protection

DIMENSIONS



ACCESSORIES

Programming cable
to BGP-COD-BAT
Floorsensor

GAP-TPH-CAB
BSO-TEMDIG