

TZ100

Tzone

Digital temperature probe
compatibility with
BZ424 and BP848



DESCRIPTION

- ▶ The Tzone is a smart digital probe complementary to the BACzone 424 and BACplus-MSTP controllers from the STRATO Automation series.
- ▶ A backlit displays information such as time, temperature and requests for heating and cooling.
- ▶ The Tzone also offers the ability to display ten values in real time, in addition to the default room temperature. The user can therefore easily consult directly from his office, all relevant data from the corresponding controller "VAV", for example; the outside temperature, the supply temperature of the zone or the percentage of demand for heating and cooling.
- ▶ Up to eight Tzones can be networked to a BACzone 424 controller in a standard daisy chain RS-485 communication.

APPLICATION

- For joint use with the BZ424 and BP848 controllers :
- Room temperature with display
 - Wall user interface

TECHNICAL SPECIFICATIONS

Max. Wire Size :
16 awg

Power supply :
24 VAC/VDC $\pm 15\%$ 50/60 Hz
Class 2

Current consumption :
1 VA

External inputs (2):
One thermistor input
10 k Ω thermistor (type 2 or 3),
dry contact, 500 ms minimum
(On / Off)
Note: The thermistor analog input
can also be used as a binary input.
Resolution : 12 Bits (4096 counts)
One binary input
Dry contact, 500 ms minimum
(On / Off)
* The processing of these entries
is done by the application
program. Only the gross value
"counts" is available.

Microprocessor :
STM32 (ARM Cortex™ M3) 32 bits,
64 MHz

Memory :
64 KB of non-volatile Flash, 10 KB of RAM

Strato Enterprise Tzone wall interface:
Up to 8 Tzone per BACzone controller, serial
configuration according to RS-485 "daisy
chain" protocol.

Strato Zoning Tzone wall interface:
Up to 3 Tzone per BACzone controller, serial
configuration according to RS-485 "daisy
chain" protocol.

Backlit display (LCD):
multi-symbol, time and four-segment main
display including one decimal place.

Baud rate :
9600, 19200, 38400, 76800, 115200,
230 400, 460 800.

External plug: Type mini USB to visualize the
MS/TP network when connected

Controller Addressing:
Addressing via switch type "DIP switch".

Communication protocol :
Owner (RS-485)

Dimensions :
123 mm x 73 mm x 24mm
4,8" x 2,8" x 1,0"

Storage/transport temperature :
-30 °C to 50 °C / -22 °F to 122 °F

Operating Temperature :
0 °C to 50 °C / -32 °F to 122 °F

Relative Humidity of operation :
10 to 90 % H.R.
without condensation

Weight :
120,5 g / 0,241 lb

Mounting :
Standard 2" x 4" electrical box

Warranty :
1 year

Homologation :
UL (CND & EU)
UL 916 Energy management
equipment (pending)