

# ZPA INMAT 64/65

## ZPA INMAT 64/65 communication protocol

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### Supported device types and versions

This protocol supports data reading from the INMAT 64 and INMAT 65 dataloggers produced by ZPA Nová Paka (Czech republic).

### Communication line configuration

- Communication line category: [Serial](#), [SerialOverUDP Device Redundant](#).
- Parameters of the asynchronous line: 300 Baud, 8 data bits, no parity, 2 stop bits.

#### Note:

A device sends data spontaneously (without the request for data). A delay between the transmitted data blocks is 5 seconds.

### Communication station configuration

- Communication protocol: **ZPA INMAT 64/65**.
- The station address is not used. On one serial line, only one INMAT 64 or 65 can be connected.

### Station protocol parameters

They are not used.

### I/O tag configuration

I/O tags: **Ai**

The address can be entered as a decimal number or a hexadecimal number with a hash at the beginning (e.g. #A).

The value meaning:

| Address | Cycle | Meaning                                                                       | Units   |
|---------|-------|-------------------------------------------------------------------------------|---------|
| 0       | 1     | Heat output                                                                   | GJ/hour |
| 1       | 1     | 1/4 hourly maximum                                                            | GJ      |
| 2       | 1     | Heat output sum                                                               | GJ      |
| 3       | 1     | Instantaneous mass flow rate                                                  | t/hour  |
| 4       | 1     | Mass flow rate sum                                                            | t       |
| 5       | 1     | Temperature                                                                   | °C      |
| 6       | 1     | Temperature difference [°C] - INMAT 64 or Operating pressure [MPa] - INMAT 65 | -       |
| 7       | 2     | Heat output                                                                   | GJ/hour |
| 8       | 2     | 1/4 hourly maximum                                                            | GJ      |
| 9       | 2     | Heat output sum                                                               | GJ      |
| 10      | 2     | Instantaneous mass flow rate                                                  | t/hour  |
| 11      | 2     | Mass flow rate sum                                                            | t       |
| 12      | 2     | Temperature                                                                   | °C      |
| 13      | 2     | Temperature difference [°C] - INMAT 64 or Operating pressure [MPa] - INMAT 65 | -       |

Literature

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Changes and modifications

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Document revisions

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- Ver. 1.0 – February 23, 2001 – Creation of document



Related pages:

[Communication protocols](#)