# ZPA INMAT 64/65

## ZPA INMAT 64/65 communication protocol

Supported device types and versions
Communication line configuration
Communication station configuration
I/O tag configuration
Literature
Changes and modifications
Document revisions

### Supported device types and versions

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

### Communication line configuration

- Communication line category: Serial, SerialOverUDP Device Redundant.
- Parameters of 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, there may be placed only one INMAT 64 or 65.

## 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

-

## Changes and modifications

-

## Document revisions

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

**Related pages:**

Communication protocols