

elvace

CM^eSERIES
The everything meter.

Report Templates
Description Template
3001

CMe2100, CMi2110, CMi2120, CMi2130

HTTP install report - single post - plain

Contents

| | |
|---|----------|
| CONTENTS | 2 |
| 1 DOCUMENT NOTES | 3 |
| 1.1 COPYRIGHT AND TRADEMARK..... | 3 |
| 1.2 CONTACTS..... | 3 |
| 2 USING THIS DOCUMENT | 4 |
| 2.1 PURPOSE AND AUDIENCE | 4 |
| 2.2 MODELS | 4 |
| 2.3 ADDITIONAL AND UPDATED INFORMATION..... | 4 |
| 3 REPORT FORMAT | 5 |
| 3.1 HTTP HEADERS | 5 |
| 3.1.1 <i>User-Agent</i> | 5 |
| 3.1.2 <i>Filename</i> | 5 |
| 3.2 BODY CONTENTS..... | 5 |
| 3.3 DEFINITIONS | 6 |
| 4 DOCUMENT HISTORY | 7 |
| 4.1 DOCUMENT SOFTWARE AND HARDWARE APPLIANCE..... | 7 |
| 5 REFERENCES | 8 |
| 5.1 REFERENCES | 8 |
| 5.2 TERMS AND ABBREVIATIONS | 8 |
| 5.2.1 <i>Number representation</i> | 8 |

1 Document notes

All information in this manual, including product data, diagrams, charts, etc. represents information on products at the time of publication, and is subject to change without prior notice due to product improvements or other reasons. It is therefore recommended that customers contact Elvaco AB for the latest product information before purchasing a CMe/CMi Series product.

The documentation and product are provided on an "as is" basis only and may contain deficiencies or inadequacies. Elvaco AB takes no responsibility for damages, liabilities or other losses by using this product.

1.1 Copyright and Trademark

© 2010, Elvaco AB. All rights reserved. No part of the contents of this manual may be transmitted or reproduced in any form by any means without the written permission of Elvaco AB. Printed in Sweden.

CMe/CMi Series is a trademark of Elvaco AB, Sweden.

1.2 Contacts

Elvaco AB Headquarter

Energigatan 9
434 37 Kungsbacka
SWEDEN

Phone: +46 300 30250

Fax: +46 300 18440

E-Mail: info@elvaco.com

Elvaco AB Technical Support

Phone: +46 300 434300

E-Mail: support@elvaco.se

Online: <http://www.elvaco.com>

2 Using this document

2.1 Purpose and Audience

This document describes the contents of the report information created from report template 3001. Use this document together with Report Template Reference Information for complete understanding of this report template contents.

For customer specific templates, please contact Elvaco AB.

2.2 Models

CMe2100,CMi2110,CMi2120,CMi2130

2.3 Additional and updated information

Latest documentation version is available on Elvaco web site at <http://www.elvaco.com>.

3 Report format

This report contains value data in M-Bus raw format used when installation of a new meter is completed. This information can be useful to add meters when installation process is completed. This report sends a meter data report HTTP POST to an HTTP server. On execution of this report, one HTTP POST with all meter values in the body will be sent to the HTTP server.

3.1 HTTP Headers

3.1.1 User-Agent

To identify the product, the HTTP header User-Agent is filled with the following information:

```
User-Agent=TC65i/<imei> Profile/IMP-NG Configuration/CLDC-1.1
Model/<model> Hardware/<hw> Firmware/<fw> Application/<sw>
Serial/<serial>
```

Parameter description

| | |
|----------|--|
| <imei> | 15 digit product module IMEI number |
| <model> | Product model, i.e. CMe1000, CMe1100, CMe2000, CMe2100 |
| <hw> | Product hardware version, i.e R4A |
| <fw> | Product module firmware version, i.e. 01.100 |
| <sw> | Product software version, i.e. 1.1.0 |
| <serial> | 10 digit product serial number, i.e. 0006000000 |

3.1.2 Filename

Filename header is filled with a name which can be useful when storing the body contents in a file on a server share.

Filename is in the following format:

```
<serial-number>_installreport_<time>_<report-id>.csv.
```

3.2 Body contents

The file contains rows. Each row contains the origin of the value and the actual value for a specific time.

| Column index (0 = first column) | Column contents | Description |
|------------------------------------|-----------------|-------------|
|------------------------------------|-----------------|-------------|

| | | |
|--|-------------------------|---|
| 0 | <serial-number> | Product serial number |
| 1 | <device-identification> | The device (meter) secondary address |
| 2 | <created> | The date/time of this value. Format: YYYY-MM-DD hh:mm:ss |
| 3 | <value-data-count> | The M-Bus telegram number from which this record is taken |
| 4 | <mbus-raw> | M-Bus raw data, starting with M-Bus C-Field. Stop character and checksum of the M-Bus telegram is excluded. |
| Example of body contents | | |
| <pre>00000161;05047168;2009-12-17 00:00:00;00;08147268710405ac484103470000000c1480769604046dba092e1a426c 2a194c140000000042ec7e3f1c0fc010010c 00000161;05047168;2009-12-17 01:00:00;00;08147268710405ac484103480000000c1480769604046dba0a2e1a426c 2a194c140000000042ec7e3f1c0fc010010c 00000161;05047168;2009-12-17 02:00:00;00;08147268710405ac484103490000000c1480769604046dba0b2e1a426c 2a194c140000000042ec7e3f1c0fc010010c 00000161;05047168;2009-12-17 03:00:00;00;08147268710405ac4841034a0000000c1480769604046dba0c2e1a426c 2a194c140000000042ec7e3f1c0fc010010c</pre> | | |

Table 1 Body contents and example file

3.3 Definitions

| Type | Value | Description |
|--------------------------|----------------|--|
| Column delimiter | Semi-colon “;” | The field separator |
| Decimal point delimiter | Not used | Decimal separator character |
| End of line character(s) | CRLF (0x0D0A) | End of every line, before starting a new line. |

Table 2 Definitions

4 Document History

| Version | Date | Description | Author |
|---------|------------|---------------|---------------|
| 1.0 | 2010-09-27 | First release | David Vonasek |
| | | | |
| | | | |
| | | | |
| | | | |

4.1 Document software and hardware appliance

| Type | Version | Date | Comments |
|----------|---------|---------|----------|
| Hardware | - | - | - |
| Software | >1.1.5 | 2010-03 | |

5 References

5.1 References

- [1] CMe Series User's Manual
- [2] CMi2110 User's Manual
- [3] CMi2120 User's Manual
- [4] CMi2130 User's Manual
- [5] Report Template Description [n], where n is the report template id

5.2 Terms and Abbreviations

| Abbreviation | Description |
|--------------|-------------|
| | |
| | |
| | |
| | |
| | |
| | |

5.2.1 Number representation

Decimal numbers are represented as normal number, i.e. 10 (ten).

Hexadecimal numbers are represented with prefix 0x, i.e. 0x0A (ten)

Binary numbers are represented with prefix 0b, i.e. 0b00001010 (ten)