

OMC-045-III APPLICATION NOTE





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Document History

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Revision History

This document has been revised by:

Revision Number	Revision Date	Summary of Changes	Author
V1.01	03-08-17	Updated general content	Ludovic Grosjean

Reference Documents

Please see the following documents for more information:

Document Name	Download from	Author
Manuals	http://download.observator.com/files/?dir=User manuals	Ludovic Grosjean

Distribution list

This document has been distributed to:

Name	Company, Position	Action
Dana Galbraith	Director at Observator	Review
	Instruments	
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	Instruments	



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1. INTRODUCTION

This document is an application note explaining the step-by-step process to access SD card data from the OMC-045-III when used with High Wind Alarm systems.



2. INSTALL THE SOFTWARE

1. Download OMC-Programmer 2.0.9 software from Observator Website or using the following link:

https://observator.com/download/software/omcprogrammersetup2.0.9.exe

OBSERVATOR							SEARCH	6 8
group	HOME	PRODUCTS	SYSTEMS	NEWS	EVENTS	SUPPORT	ABOUT US	CONTAG
Manual Installation OMC-045-3 & OMC-040/04	42 USB drive	er in case auto						
install via OMC-programmer fails (Windows 8	& some 7 ve	insions)						
OMC-040 & 042:	1.20							
Poghtack on OMC040VCP.int and choose Ins OMC-045-III-	dan							
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2. Install the .Exe file and open OMC Programmer software



3. SET UP THE OMC-045-III

- 1. Insert the SD card into the OMC-045-III slot: <u>Note</u>: Make sure the SD card is properly inserted.
- 2. Power OMC-045-III by connecting Pin 1 to the Ground and Pin 2 to the power (5V).
- 3. Connect OMC-045-III to your computer





4. READ SD CARD DATA

1. Open Device Manager on your machine and note which port is being configured for "OMC45III":



2. Run OMC-Programmer using the shortcut:



3. If the OMC-045-III is properly powered, you will notice that the "Status" LED is flashing red.



4. Click on "Read Actual Values":

🔣 OMC-Programmer		? ×
		and the second
Main Menu		Obsermet Interface Software V2.0.9
	Configure Substation	
	Read Actual Values	
	Download Data from Substation Read Data from SD Card	
Maintenance	English 💌	Exit Program

5. Select "Use Direct communication":

Sourc-Programmer		?	×
Download Data	Obsermet Interface Soft	ware V	2.0.9
	Use Direct communication		
	Use Modem/IP communication		
Main Menu	Canc	el	

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6. Make sure the correct Com-Port is selected:

OMC-Programmer	OR	× *
Read Actual Values		Obsermet Interface Software V2.0.9
	Communication protocol	•
	COM3	
	l Baudrate 19200	•
Main Menu	_	Cancel 0K

7. You will now have access to the datasets from the SD card. Select Main Menu to return to the main menu:

Read Actual Value:			Mantia			Obsermi	Obsermet Interface Software V2.0.5		
Parameter	/ Tag name	Code	LogID	Value	Unit	Status	Low-low limit	Low lim	
Generic Serial: : Position 01	Position 01	P1	25	0		No recent Data			
Generic Serial; ; Position 02	Position 02	P2	26	0		No recent Data			
Generic Serial; ; Position 03	Position 03	P3	27	0		No secent Data			
Generic Serial; ; Position 04	Position 04	P4	28	0		No recent Data			
Generic Serial; ; Position 05	Position 05	P5	29	0		No recent Data			
Generic Serial; ; Position 06	Position 06	P6	30	0		No recent Data			
Generic Serial: ; Position 07	Position 07	P7	31	0		No recent Data			
Generic Serial; ; Position 08	Position 08	P8	32	0		No recent Data			
Generic Serial: : Position 09	Position 09	P9	33	0		No tecent Data			
Genetic Serial; ; Position 10	Position 10	P10	34	0		No recent Data			
Internal; Case Humidity	Case Humidity	Hi	35	0	*	No recent Data			
Internal; V batt	V batt	VBAT	36	0	V	No recent Data			

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5. DOWNLOAD SD CARD DATA

1. Select "Download Data from Substation" to access to the data on the SD card:

OMC-Programmer		? ×
		at a second
Main Menu		Obsermet Interface Software V2.0.9
	Configure Substation	
	Read Actual Values	
	Read Data from SD Card	
Maintenance	English 💌	Exit Program

2. Select "Use Direct communication":

OMC-Programmer			? ×
		Later .	
Download Data		Obsermet Inter	lace Software V2.0.9
	Use Direct comm Use Modem/IP com	munication	
Main Menu		_	Cancel



3. Make sure the correct Com-Port is selected:

	OR	× 5
Instruments Read Actual Values		Obsermet Interface Software V2.0.9
	Communication protocol DMC-4511 / OMC-4511 / OMC-410	•
	Select Com-port	
	Baudrate 19200	-
Main Menu		Cancel

4. Select "Data Records" and "Create CSV import file" then press "Ok":

MC-Programmer	TOR	k-+-	Y X
Download Data		06	ermet Interface Software V2.0.9
	Start of period 1/01/2017	-	
	End of period 20/07/2017		
	10'ata Records	•	
	Create CSV import file		
	C Data from backup memory (on)	v OMC-04511)	
Main Menu		Cancel	ОК

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5. Give a file name and press save:

💋 Save to file					×
← → - ↑ 🗖	> This PC > Desktop >	~ Ö	Search Desktop		P
Organise - Ne	w folder			- 12	0
This PC	^	 			
Desktop					
Documents	Si				
🕹 Downloads					
Movies					
Music					
Fictures					
🏪 Local Disk (C:					
OVD Drive (E:)	CI				
😥 CD Drive (F:)	~				
File name:	OMC-045-111				~
Save as type:	Data (*.csv)				~
∧ Hide Folders			Save	Cancel	

6. Once the Data is downloaded press "Ok":

OMC-Programmer OBSERVA Instruments	TOR	7 ×
Download Data	Mantis	Obsermet Interface Software V2.0.9
	OMC-Programmer X Download Data OK Saving Estimated time remaining 0:0	3))0:00
	Cancel	



6. OPEN CSV FILE

1. Use Excel or equivalent to open the ".CSV" file.

<u>Note</u>: If the data is not shown in multiple delimited columns you will need to open the file using the text import Wizard.

Home Intern Page Layout Formulas Data	Review View	D ONC-OUS-IN		Anteen liter in	00
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2. Open a new excel Workbook:

		Microsoft Excel	
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3. Select "Data":

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4. Select "From text":

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D16	¢	-	_																	*



5. Select the file and click "Delimited" and "Next":

		Text Import Wizard	- Step 1 of 3
The Text Wiza	rd has dete	rmined that your da	ta is Delimited.
If this is correct	, choose Ne	ext, or choose the Da	ta Type that best describes your data.
 Delimited 	Character	s such as commas o	tabs separate each field.
Fixed width	- Fields are	aligned in columns v	with spaces between each field.
Start import at	row: 1	File origin:	Macintosh
Preview of sele	cted data:		
Preview of sele	cted data: Users/ludov	icgrosjean/Desktop/0	MC-045-III.csv.
Preview of sele Preview of file / 1 Tag name;Positio 2 Unit;;;;;;;;;;;; 3 Code;P1;P2;P3;P4 4 [23/95/2017 05:45 6 [23/05/2017 06:00 7 [23/05/2017 06:30	cted data: Users/ludov n 01;Position ;V; ;P5;P6;P7;P8;P ;36;5;15;0;23, ;36;5;15;0;23, ;36;5;15;0;23, ;36;5;16;0;23, ;36;5;16;0;23,	icgrosjean/Desktop/O 02;Position 03;Position 0 9;P10;Hi;VBAT; 75;6.56;164;0.63;3826;73. 7;6.59;151;0.62;3824;73. 69;6.6;156;0.62;3824;73.8 63;6.6;1554;0.62;3824;73.8	MC-045-III.csv. 4;Position 05;Position 06;Position 07;Position 0 8;53.6;46;12.1;; 53.6;45;12.1;; 53.6;45;12.1;; 53.6;45;12.1;;

6. Select "Semicolon" and "Next" and "Finish":

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CITES OF A CALLER OF A	data:						
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Unit Code P1		P2	P3	P4	P5	P6	P7 P
23/05/2017 05:30:36 5 23/05/2017 05:45:36 5		15 15	0	23.75 23.72	6.56 6.58	164 161	0.63
23/05/2017 06:00:36 5 23/05/2017 06:15:36 5		15 16	0	23.7	6.59 6.6	158	0.62
23/05/2017 06:30:36 5		16	0	23.68	6.	154	p 62
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7. You will now have access to the data downloaded from the SD card:

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1	Tag name	Position 01	Position 02	Position 03	Position 04	Position 05	Position 06	Position 07	Position 08	Position 09	Position 10	Case Humidity	V batt
2	Unit											%	٧
3	Code	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	H	VBAT
4	23/05/2017 5:30	5	15	. 0	23.75	6.56	164	0.63	3826	73.8	53.6	46	12.1
5	23/05/2017 5:45	5	15	0	23.72	6.58	161	0.63	3824	73.8	53.6	46	12.1
6	23/05/2017 6:00	5	15	0	23.7	6.59	158	0.62	3823	73.8	53.6	45	12.1
7	23/05/2017 6:15	5	16	0	23.69	6.6	156	0.62	3824	73.8	53.6	45	12.1
8	23/05/2017 6:30	5	16	0	23.68	6.6	154	0.62	3824	73.8	53.5	44	12.1
9	23/05/2017 6:45	5	16	0	23.64	6.61	153	0.62	3824	73.8	53.1	44	12.1
10	23/05/2017 7:00	5	16	5 0	23.63	6.61	152	0.62	3825	73.8	52.6	44	12.1
11	23/05/2017 7:15	5	17	, 0	23.62	6.61	151	0.62	3823	73.7	52.7	45	12.1
12	23/05/2017 7:30	5	17	0	23.63	6.62	151	0.62	3822	73.6	52.7	45	12.1
13	23/05/2017 7:45	5	17	0	23.65	6.62	150	0.62	3824	73.6	52.6	45	12.1
14	23/05/2017 8:00	5	17	0	23.64	6.62	150	0.62	3826	73.6	52.7	45	12.1
15	23/05/2017 8:15	5	18	0	23.66	6.63	149	0.62	3826	73.5	52.7	45	12.1
16	23/05/2017 8:30	5	18	0	23.66	6.63	149	0.62	3825	73.4	52.6	44	12.1
17	23/05/2017 8:45	5	18	8 0	23.65	6.63	149	0.62	3823	73.5	52.6	44	12.1
18	23/05/2017 9:00	5	18	0	23.66	6.63	149	0.62	3824	73.5	52.6	44	12.1
19	23/05/2017 9:15	5	19	0	23.66	6.63	149	0.62	3825	73.4	52.5	44	12.1
20	23/05/2017 9:30	5	19	0	23.6	6.63	149	0.62	3822	73.4	52.7	44	12.1
21	23/05/2017 9:45	5	19	0	23.53	6.63	149	0.61	3820	73.3	52.9	45	12.1
22	23/05/2017 10:00	5	19	0	23.44	6.62	149	0.61	3822	73.2	52.8	45	12.1
23	23/05/2017 10:15	5	20	0 0	23.35	6.62	149	0.6	3822	73	52.8	45	12.1
24	23/05/2017 10:30	5	20	0 0	23.25	6.62	148	0.6	3822	72.8	53	46	12.1
25	23/05/2017 10:45	5	20	0	23.15	6.61	148	0.59	3821	72.6	52.7	46	12.1
26	23/05/2017 11:00	5	20	0 0	23.05	6.61	148	0.58	3820	72.5	53.1	46	12.1
27	23/05/2017 11:15	5	21	0	22.95	6.61	148	0.58	3821	72.2	53.2	47	12.1
28	23/05/2017 11:30	5	21	0	22.86	6.61	148	0.57	3821	72.1	53.4	47	12.1
29	23/05/2017 11:45	5	21	0	22.77	6.61	148	0.56	3819	71.9	53.5	47	12.1
30	23/05/2017 12:00	5	21	0	22.69	6.61	148	0.56	3819	71.8	53.4	47	12.1
31	23/05/2017 12:15	5	22	0	22.61	6.61	148	0.56	3820	71.7	53.3	47	12.1
32	23/05/2017 12:30	5	21	0	22.54	6.61	147	0.55	3820	71.6	53.6	49	12.1
33	23/05/2017 12:45	5	22	0	22.45	6.6	147	0.55	3822	71.5	53.7	48	12.1
34	23/05/2017 13:00	5	23		22.30	6.6	147	0.54	3,820	71.4	53.7	45	12.1
35	23/05/2017 13:15	5	23	0	22.33	6.6	147	0.54	3819	71.3	53.7	49	12.1
36	23/05/2017 13:30	5	23	0	22.26	6.6	147	0.53	3820	71.2	53.7	49	12.1
37	23/05/2017 13:45	5	23	0	22.2	6.6	147	0.53	3822	71	53.7	49	12.1
38	23/05/2017 14:00	5	21	0	22.13	6.50	147	0.51	3818	70.9	53.8	49	12.1
30	23/05/2017 14:15	5		0	22.07	6.59	147	0.52	3820	70.9	53.7	40	12.1
an	12/05/2017 14:20				22.01	6.55	147	0.54	3010	70.7	53.0	40	13.1



7. CONTACT

Contact & more information

Additional Information, including training video, this Application Note up-to-date and tutorials are available on our training page:

http://download.observator.com/files/?dir=User manuals



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