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Product Change Notification

PCN # 1170130

FXM 350/650/1100/2000, Micro 100/350/1000 and Ethernet Card Firmware Version 2.00.04

1. Supplier Information Alpha Technologies, Ltd. 7700 Riverfront Gate, Burnaby, BC V5J 5M4 Canada Contact: Daljit Hothi Associate Product Manager 604.422.4490 daljit.hothi@enersys.com		2. Product Change Notification Number PCN # 1170130																																			
3. Issue Date of Change February 08, 2017		4. System and Product Description Alpha Technologies, Ltd. is releasing new software version (V2.00.04) for FXM 350/650/1100/2000, Micro 100/350/1000 and Ethernet Card																																			
5. New Product ID <table border="1"> <thead> <tr> <th>Model</th> <th>s/w Rev (extension)</th> </tr> </thead> <tbody> <tr><td>FXM/Micro 350</td><td>V2.00.04(fbin)</td></tr> <tr><td>FXM 650-24/48</td><td>V2.00.04(fbin)</td></tr> <tr><td>FXM 1100</td><td>V2.00.04(fbin)</td></tr> <tr><td>FXM 2000</td><td>V2.00.04(fbin)</td></tr> <tr><td>Micro 100</td><td>V2.00.04(fbin)</td></tr> <tr><td>Micro 1000</td><td>V2.00.04(fbin)</td></tr> <tr><td>Ethernet Card</td><td>V2.00.04(ezip)</td></tr> </tbody> </table>		Model	s/w Rev (extension)	FXM/Micro 350	V2.00.04(fbin)	FXM 650-24/48	V2.00.04(fbin)	FXM 1100	V2.00.04(fbin)	FXM 2000	V2.00.04(fbin)	Micro 100	V2.00.04(fbin)	Micro 1000	V2.00.04(fbin)	Ethernet Card	V2.00.04(ezip)	6. Old Product ID <table border="1"> <thead> <tr> <th>Model</th> <th>s/w Rev (extension)</th> </tr> </thead> <tbody> <tr><td>FXM/Micro 350</td><td>V1.08.03(fbin)</td></tr> <tr><td>FXM 650-24</td><td>V2.00.01(fbin)</td></tr> <tr><td>FXM 650-48</td><td>V2.00.01(fbin)</td></tr> <tr><td>FXM 1100</td><td>V2.00.01(fbin)</td></tr> <tr><td>FXM 2000</td><td>V2.00.01(fbin)</td></tr> <tr><td>Micro 100</td><td>V1.09.01(fbin)</td></tr> <tr><td>Micro 1000</td><td>V1.08.03(fbin)</td></tr> <tr><td>Ethernet Card</td><td>V2.00.01(ezip)</td></tr> </tbody> </table>		Model	s/w Rev (extension)	FXM/Micro 350	V1.08.03(fbin)	FXM 650-24	V2.00.01(fbin)	FXM 650-48	V2.00.01(fbin)	FXM 1100	V2.00.01(fbin)	FXM 2000	V2.00.01(fbin)	Micro 100	V1.09.01(fbin)	Micro 1000	V1.08.03(fbin)	Ethernet Card	V2.00.01(ezip)
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7. Associated Products or Changes Affected FXM350-24 Model: 017-241-26/29 FXM 350-48 Model: 017-241-22 FXM 650-24 Model: 017-234-31/52, 017-235-22/32 FXM 650-48 Model: 017-236-45 FXM 1100 Model: 017-230-23/37/65, 017-231-22/24 FXM 2000 Model: 017-232-31, 017-233-30/32/53/54/55 Ethernet Card: 740-730-24 Micro 100: 017-220-45/46/48/49/50 Micro 350:017-243-XX Micro 1000:017-239-XX																																					



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8. Drawing No. N/A	9. Product Change Classification Class D Changes that incorporate minor new features and design improvements that do not affect the existing functionality or interchangeability of a product, or that involve other minor improvements to service testing, or other capabilities.
10. Reason for Change The software version includes various feature enhancements to the FXM and Micro product line.	
11. Description of Change <ul style="list-style-type: none">• Micro Card Firmware Version 2.00.04<ul style="list-style-type: none">○ Improved battery runtime remaining algorithm○ Improved accuracy in battery temperature measurement○ Improved immunity against false DC overload alarm detection○ Added power outage as an alarm with user configurable time delay○ Added “output relay” configuration to open an external relay based on output voltage range○ Standard constant as a default charging method from the factory• Fixed open issues:<ul style="list-style-type: none">○ Auto-battery test does not work if set to midnight○ Overload fault remains too short for an email to be sent○ UPS mode status is not refreshed on "Remain Tm" parameter screen on LCD○ Can't change date and time using the RS232 connection when the date entered is the 31st day of the month○ RS232 command "c#=X" fails if 'X'=15• SNMP Card Firmware Version 2.00.04<ul style="list-style-type: none">• Added ability to save event log to csv file from the webpage• Added email authentication in clear text for SMTP server• Added a time zone setting to time and date webpage• Added open for discovery unsolicited ARP to detect unit's SNMP card by the networking switch• Added power outage alarm webpages• Access to network configuration section requires login• Display IP address if DHCP is enabled on the webpage and FXM LCD• Corrected upsSecondsOnBattery MIB definition to UPS minutes on battery• Fixed open issues:<ul style="list-style-type: none">• Energy counter reached 2048kWh and is not measuring consumption any further• Incorrect time stamps on FXM event notifications• Implemented automatic status update for FXM350• Fixed refresh feature on unit configuration page	



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<ul style="list-style-type: none">Fixed issue where alarm is in the table view, but not under SNMP UpsAlarmsPresent alarm count	
12. Effect of Change Change will have no effect to system operation or usability what is stated in section 11	
13. Material/Product Affected N/A	
14. Documentation Affected Updated manual will be released in Q1 2017	
15. Supplier Implementation Date This is a phase in change and V2.00.04 will be implemented into product from the factory by Q3, 2017. Software are available today at http://www.alpha.ca/software-firmware-downloads	16. Modification Completion Date N/A
17. Modification Location N/A	
18. Modification Cost N/A	
19. Location and Quantity of Equipment N/A	
20. Attachments N/A	
21. Comments FXM unit with green LCD and firmware version lower than 1.07 must be upgraded locally using FXM programmer. Ethernet card software should be upgraded to 2.00.04 after firmware on the unit is upgraded. FXM units with green LCD and firmware version higher than 1.07 can be upgraded locally or remotely. Units with a blue LCD can be upgraded locally or remotely. Remotely: Upgrade Ethernet card software to 2.00.04 first and then upgrade FXM firmware remotely. Locally: Upgrade FXM firmware first locally using FXM programmer. Ethernet card software should be upgraded to 2.00.04 after firmware on the unit is upgraded.	