

Table of Contents

for the Module for the enCloud™ Management System

List of Headings

Quick Guide	QuickStart Guide for the enCloud™ Management System	page 1
Document 1	Account Registration and Log-In for the enCloud™ Management System	1-1
Section 1.1	Account Registration	1-1
Section 1.2	Account Log-In	1-4
Section 1.3	The Distributor Account	1-5
Document 2	Developing Accounts in the enCloud™ Management System	2-1
Section 2.1	Account Levels	2-2
Section 2.2	Developing a Customer Plan	2-2
Section 2.3	The Distributor Account	2-5
Section 2.4	Customer Accounts	2-6
Section 2.5	Reviewing the Distributor Account	2-10
Section 2.6	Editing a Distributor Account	2-12
Section 2.7	Reviewing a Customer Account	2-13
Section 2.8	Editing a Customer Account	2-15
Document 3	Use Cases and Groups in the enCloud™ Management System	3-1
Section 3.1	Navigation to the Distributor Account	3-1
Section 3.2	Use Cases	3-2
Section 3.3	Viewing the Use Case Dashboard	3-4
Section 3.4	Groups	3-8

Document 4	Devices and Hardware Profiles in the enCloud™ Management System	4-1
Section 4.1	Reviewing Device Profiles	4-1
Section 4.2	Adding Devices to the Distributor Account	4-4
Section 4.2.1	Adding Several Devices (in Bulk) to the Distributor Account	4-6
Section 4.2.1.1	The CSV File	4-7
Section 4.2.1.2	Using a CSV Input File to Load Bulk Devices	4-8
Section 4.2.1.3	Using Manual Input to Load Bulk Devices	4-11
Section 4.2.2	Adding a Single Device to the Distributor Account	4-13
Section 4.3	Assigning Devices to Customer Accounts	4-15
Section 4.3.1	Assigning a Single Device to a Customer Account	4-17
Section 4.3.2	Assigning Two or More Devices to a Single Customer Account	4-19
Section 4.4	The Device Detail Screen	4-22
Document 5	Establishing Users and Contacts for the enCloud™ Management System	5-1
Section 5.1	Users and Contacts	5-1
Section 5.1.1	Navigation to the Distributor Account	5-2
Section 5.1.2	Customer Users	5-2
Section 5.1.3	Customer Contacts	5-5
Section 5.1.4	Distributor Users	5-10
Section 5.1.5	Assigning a User or a Contact	5-11
Section 5.1.6	Reviewing and Editing Settings for a User or Contact	5-12
Section 5.1.6.1	Reviewing a Customer User	5-12
Section 5.1.6.2	Editing a Customer User	5-13
Section 5.1.6.3	Reviewing or Editing a Customer Contact	5-14
Section 5.1.6.4	Reviewing a Distributor User	5-15
Section 5.1.6.5	Editing a Distributor User	5-16
Document 6	Developing Rules for the enCloud™ Management System	6-1
Section 6.1	About Rules	6-1
Section 6.1.1	Editing Rules	6-2
Section 6.1.2	Deleting Rules versus Disabling Rules	6-2
Section 6.2	Setting Up Rules	6-2
Section 6.2.1	Adding a Rule	6-3
Section 6.2.2	Defining the Rule's Condition	6-5
Section 6.2.3	Determining the Rule's Actions	6-13
Section 6.2.4	Defining (Creating) a System Alert	6-15
Section 6.2.5	Sending a Notification	6-18
Section 6.2.6	Sending a Device Task	6-24
Section 6.2.7	Reviewing the Rule	6-28
Section 6.3	Editing Rules	6-30

Document A	Sensors for enCloud™ Management System Rules	A-1
Document B	Settings for the enCloud™ Management System	B-1
Section B.1	Opening the enCloud Settings Menus	B-1
Section B.2	The Distributor User Settings Menu	B-4
Section B.3	The Customer Account Settings Menu	B-9
Section B.4	The Account Contact Menu	B-13
Document C	Using the enCloud™ Management System to Update Firmware	C-1
Section C.1	Configuring enCloud to Update Firmware in Devices	C-1
Section C.2	Viewing a Device's Data Update Frequency	C-10
Document D	Setting Up a Device to Send Data to enCloud™	D-1
Section D.1	Configuring an EN™ Device to Send Data to enCloud™	D-1
Section D.2	Using enCloud™ to Review Device Information	D-3

List of Tables

Document 4	Devices and Hardware Profiles in the enCloud™ Management System	
Table 4-1	Sample CSV Table	4-7
Document A	Sensors for enCloud™ Management System Rules	
Table A-1	Sensors for enCloud Rules	A-1

List of Figures

Document 1	Account Registration and Log-In for the enCloud™ Management System	
Figure 1-1	Account Registration Notice	1-2
Figure 1-2	enCloud Account Activation Screen	1-3
Figure 1-3	enCloud Log-In Screen	1-4
Figure 1-4	Table of Distributor Accounts	1-5
Document 2	Developing Accounts in the enCloud™ Management System	
Figure 2-1	enCloud Hierarchy	2-2
Figure 2-2	Distributor Account with One Distributor User	2-3
Figure 2-3	Distributor Account, One Distributor User, with Unassigned Devices	2-4
Figure 2-4	Distributor Account, One Distributor User, One Customer Account, One Use Case with Assigned Devices	2-4

Figure 2-5	Distributor Account, One Distributor User, Two Customer Accounts with Use Cases and Assigned Devices and Customer Users	2-5
Figure 2-6	Table of Distributor Accounts	2-6
Figure 2-7	Table of Customer Accounts	2-6
Figure 2-8	Panel to Add a Customer Account	2-7
Figure 2-9	Panel to Add a Customer Account: Select Distributor Account	2-8
Figure 2-10	Info Bubble	2-8
Figure 2-11	Panel to Add a Customer Account: Set Your Own User Permission for the Customer Account	2-9
Figure 2-12	Table of Customer Accounts	2-10
Figure 2-13	Account Navigation Button	2-10
Figure 2-14	Table of Distributor Accounts	2-11
Figure 2-15	Overview of a Selected Distributor Account	2-11
Figure 2-16	Account Navigation Button	2-12
Figure 2-17	Table of Distributor Accounts	2-12
Figure 2-18	Panel to Edit a Distributor Account	2-13
Figure 2-19	Account Navigation Button	2-13
Figure 2-20	Table of Distributor Accounts	2-14
Figure 2-21	Table of Customer Accounts	2-14
Figure 2-22	Overview of a Selected Customer Account	2-15
Figure 2-23	Account Navigation Button	2-15
Figure 2-24	Table of Distributor Accounts	2-16
Figure 2-25	Table of Customer Accounts	2-16
Figure 2-26	Actions Dropdown List for a Customer Account	2-17
Figure 2-27	Panel to Edit a Customer Account	2-17
Document 3	Use Cases and Groups in the enCloud™ Management System	
Figure 3-1	Account Navigation Button	3-2
Figure 3-2	Table of Distributor Accounts	3-2
Figure 3-3	Table of Customer Accounts	3-3
Figure 3-4	Table of Use Cases	3-3
Figure 3-5	Panel to Add a Use Case	3-4
Figure 3-6	Table of Use Cases	3-4
Figure 3-7	Use Case Dashboard	3-5
Figure 3-8	Detailed Information for a Selected Device	3-6
Figure 3-9	Detailed Information for an Activated Device	3-7
Figure 3-10	Panel to Set Data Frequency	3-7
Figure 3-11	Table of Groups	3-8
Figure 3-12	Panel to Add a Group	3-9
Figure 3-13	Table of Groups	3-10
Figure 3-14	Panel to Edit a Group	3-10
Document 4	Devices and Hardware Profiles in the enCloud™ Management System	
Figure 4-1	Table of Customers	4-2
Figure 4-2	Table of Use Cases	4-2

Figure 4-3	Table of enCloud Hardware Profiles	4-3
Figure 4-4	Overview of the Selected Hardware Profile	4-4
Figure 4-5	Table of Devices	4-5
Figure 4-6	Panel to Add Devices in Bulk	4-5
Figure 4-7	Panel to Add a Single Device	4-6
Figure 4-8	Panel to Add Devices in Bulk (Using Manual Input)	4-6
Figure 4-9	Sample CSV File	4-7
Figure 4-10	Panel to Add Devices in Bulk (Using a CSV Input File)	4-8
Figure 4-11	Panel to Add Devices in Bulk: Select Distributor Account for Devices	4-8
Figure 4-12	Panel to Add Devices in Bulk (Using an Input File)	4-9
Figure 4-13	Identifying the CSV File to Add Devices in Bulk	4-9
Figure 4-14	Message: The Data File Must Use the Extension .csv	4-9
Figure 4-15	Display of CSV File Data	4-10
Figure 4-16	Error Message: Product UID Already Exists in enCloud Registry	4-10
Figure 4-17	Table of Devices	4-11
Figure 4-18	Panel to Add Devices in Bulk (Using Manual Input)	4-11
Figure 4-19	Panel to Add Devices in Bulk (Using Manual Input, Blank Row Added)	4-12
Figure 4-20	Invalid Device UID	4-12
Figure 4-21	Table of Devices	4-13
Figure 4-22	Panel to Add a Single Device	4-13
Figure 4-23	Panel to Add a Single Device: Select Hardware Profile	4-14
Figure 4-24	Message Requiring Capital Letters in Device UID	4-14
Figure 4-25	Table of Devices	4-15
Figure 4-26	Table of Devices	4-16
Figure 4-27	Table of Distributor Accounts	4-16
Figure 4-28	Table of Devices	4-17
Figure 4-29	Panel to Assign a Device	4-18
Figure 4-30	Panel to Assign a Device: Select a Customer Account	4-18
Figure 4-31	Panel to Assign a Device: Select a Subscription Period	4-18
Figure 4-32	Panel to Assign a Device: Agree to Contract	4-19
Figure 4-33	Table of Devices	4-19
Figure 4-34	Dropdown List for Actions Button (for Selected Devices)	4-20
Figure 4-35	Panel to Assign Selected Devices	4-20
Figure 4-36	Panel to Assign Selected Devices: Select a Customer Account	4-20
Figure 4-37	Panel to Assign Selected Devices: Select a Subscription Period	4-21
Figure 4-38	Panel to Assign Selected Devices: Agree to Contract	4-21
Figure 4-39	Table of Devices	4-22
Figure 4-40	Detailed Information for a Selected Device	4-23
Figure 4-41	Detailed Information for an Activated Device	4-24
Figure 4-42	Panel to Set Data Frequency	4-24
Document 5	Establishing Users and Contacts for the enCloud™ Management System	
Figure 5-1	Account Navigation Button	5-2
Figure 5-2	Table of Distributor Accounts	5-2
Figure 5-3	Table of Customer Accounts	5-3

Figure 5-4	Table of Users	5-3
Figure 5-5	Panel to Add a Customer User	5-4
Figure 5-6	Panel to Add a Customer User: Set Customer User's Permission Level	5-4
Figure 5-7	Panel to Add a Customer User: Select Use Cases	5-5
Figure 5-8	Table of Users	5-5
Figure 5-9	Table of Customer Accounts	5-6
Figure 5-10	Table of Use Cases	5-6
Figure 5-11	Table of Contacts	5-7
Figure 5-12	Panel to Add a Customer Contact	5-7
Figure 5-13	Panel to Add a Customer Contact: User Name and Description	5-7
Figure 5-14	Panel to Add a Customer Contact: Email Address	5-8
Figure 5-15	Panel to Add a Customer Contact: Telephone Number	5-8
Figure 5-16	Panel to Add a Customer Contact: Contact Method is Required	5-9
Figure 5-17	Panel to Add a Customer Contact: Use Correct Format for Telephone Number	5-9
Figure 5-18	Panel to Add a Customer Contact: Corrected Telephone Number	5-9
Figure 5-19	Table of Contacts	5-10
Figure 5-20	Table of Users	5-10
Figure 5-21	Panel to Add a Distributor User	5-11
Figure 5-22	Overview of a Selected Customer User	5-12
Figure 5-23	Overview of a Distributor User for a Customer Account	5-13
Figure 5-24	Panel to Edit a Customer User	5-14
Figure 5-25	Panel to Edit a Customer Contact	5-15
Figure 5-26	Overview of the Selected Distributor User	5-16
Figure 5-27	Panel to Edit a Distributor User	5-17

Document 6 Developing Rules for the enCloud™ Management System

Figure 6-1	Flow from Rules to Events to Optional Actions	6-2
Figure 6-2	Table of Distributor Accounts	6-3
Figure 6-3	Table of Customer Accounts	6-4
Figure 6-4	Table of Use Cases	6-4
Figure 6-5	Table of Rules	6-5
Figure 6-6	Panel to Add a Rule: Name the Rule	6-5
Figure 6-7	Panel to Add a Rule: Test Device Activity	6-6
Figure 6-8	Panel to Add a Rule: Test User Activity	6-7
Figure 6-9	Panel to Add a Rule: Set Device Profile to Test	6-8
Figure 6-10	Panel to Add a Rule: Select All Devices or Single Devices	6-9
Figure 6-11	Panel to Add a Rule: Select Condition to Test (Bottom Section of List)	6-11
Figure 6-12	Panel to Add a Rule: Condition Test (Operator and Value)	6-13
Figure 6-13	Panel to Add a Rule: Select Event with or without Action	6-14
Figure 6-15	Panel to Add a Rule: System Alert	6-16
Figure 6-16	Panel to Add a Rule: System Alert Severity	6-17
Figure 6-17	Panel to Add a Rule: System Alert Frequency	6-18
Figure 6-18	Panel to Add a Rule: Number of Occurrences to Cause System Alert	6-19
Figure 6-19	Panel to Add a Rule: Notification Type	6-20
Figure 6-20	Panel to Add a Rule: Notification Type Has Been Set	6-21

Figure 6-21	Panel to Add a Rule: Notification Recipients (Users)	6-22
Figure 6-22	Panel to Add a Rule: Notification Frequency (Screen 1)	6-23
Figure 6-23	Panel to Add a Rule: Notification Frequency (Screen 2)	6-24
Figure 6-24	Panel to Add a Rule: Device Task	6-25
Figure 6-25	Panel to Add a Rule: Device Task Selection	6-26
Figure 6-26	Panel to Add a Rule: Device Task Frequency (Screen 1)	6-27
Figure 6-27	Panel to Add a Rule: Number of Occurrences to Cause Device Task to be Sent	6-28
Figure 6-28	Panel to Add a Rule: Review	6-29
Figure 6-31	Renamed Rule	6-30
Figure 6-32	Panel to Edit a Rule's Actions	6-31
Figure 6-33	Panel to Review an Edited Rule	6-32
Figure 6-34	Table of Rules, after Rule Revision	6-32

Document B Settings for the enCloud™ Management System

Figure B-1	User Identification and Permission Level Button	B-1
Figure B-2	Dropdown List for Distributor User Settings	B-2
Figure B-3	Dropdown List for Customer Account Settings	B-2
Figure B-4	Distributor User Settings Menu	B-2
Figure B-5	Customer Account Settings Menu	B-3
Figure B-6	Account Contact Menu	B-3
Figure B-7	Distributor User Settings Menu: User Name	B-4
Figure B-8	Distributor User Settings Menu: User E-Mail Address	B-5
Figure B-9	Distributor User Settings Menu: Change Password	B-6
Figure B-10	Distributor User Settings Menu: Telephone Number	B-7
Figure B-11	Distributor User Settings Menu: First Screen	B-7
Figure B-12	Distributor User Settings Menu: Dropdown List for Opening Screen	B-8
Figure B-13	Table of Distributor Accounts	B-9
Figure B-14	Customer Account Settings Menu: Customer Name	B-9
Figure B-15	Customer Account Settings Menu: Domain	B-10
Figure B-16	Customer Account Settings Menu: Language	B-10
Figure B-17	Customer Account Settings Menu: Logo	B-11
Figure B-18	Customer Account Settings Menu: Contact Person	B-12
Figure B-19	Table of Use Cases	B-12
Figure B-20	Table of Events	B-13

Document C Using the enCloud™ Management System to Update Firmware

Figure C-1	Table of Distributor Accounts	C-1
Figure C-2	Table of Customer Accounts	C-2
Figure C-3	Table of Use Cases	C-2
Figure C-4	Table of Hardware Profiles	C-2
Figure C-5	Selecting Option to Configure Firmware for EN-1000 Profile	C-3
Figure C-6	Selecting Option to Configure Firmware for EN-2000 Profile	C-3
Figure C-7	List of Firmware Updates	C-4
Figure C-13	Table of Devices	C-8
Figure C-14	Panel to Assign Firmware	C-8

Figure C-15	Table of Devices, Firmware Update Not Yet Displayed	C-9
Figure C-16	Table of Devices, Showing Firmware Update	C-9
Figure C-17	Table of Customers	C-10
Figure C-18	Table of Use Cases	C-10
Figure C-19	Table of Devices	C-11
Figure C-20	Device Dashboard	C-12
Figure C-21	Selecting Additional Actions	C-13
Figure C-22	Panel to Set Frequency of Data Updates	C-13

Document D Setting Up a Device to Send Data to enCloud™

Figure D-1	EN-2000 Log-In Screen	D-1
Figure D-2	EN-2000 Status Overview Screen	D-2
Figure D-3	EN-2000 enCloud Configuration Menu	D-3
Figure D-4	enCloud Log-In Screen	D-4
Figure D-5	Table of Distributor Accounts	D-5
Figure D-6	Table of Devices	D-5
Figure D-7	Monitoring a Device's Performance	D-6
Figure D-8	Graph of Device Activity, Pattern 1	D-6
Figure D-9	Graph of Device Activity, Pattern 2	D-7