

Accutech RTU Guide

Version 3.x

Intelli-Site

Security Management Software Accutech RTU Guide

PC Software RTU Interface Guide For Windows 7 SP1, 2008 R2 SP1, XP SP3 & 2003 SP2

> Version 3.x Copyright © 1999 – 2015 Intelli-Site

> > Copyright © 1999- 2015 OSSI, LLC

Copyright

Copyright © 1999-2015 OSSI. All rights reserved.

Information in this document is subject to change without notice. The software described in this document is furnished under a license agreement or nondisclosure agreement. The software may be used or copied only in with the terms accordance of those agreements. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or any means electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's use without the written permission of OSSI.

OSSI 10125 S. 52nd St. Franklin, WI 53132-8677 TEL: 414-423-2942 FAX: 414-423-2943

Trademarks

Intelli-Site[®] is a registered trademark of OSSI O.L.T.I.S Inc. **Intelli-Site**[®] is registered in U.S. Patent & Trademark Office.

All other registered and unregistered trademarks are the sole property of their respective owners.

Table of Contents

Copyright	
Trademarks	3
Table of Contents	4
Section 1 – Introduction	5
Overview	5
Technical Support Assistance	6
OSSI Headquarters	6
Technical Support	6
Section 2 – Accutech RTU Configuration	7
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree	7
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree Add an RTU – Procedure	7 27
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree Add an RTU – Procedure Import an RTU – Procedure	7 2
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree Add an RTU – Procedure Import an RTU – Procedure Accutech RTU Node	7 2
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree Add an RTU – Procedure Import an RTU – Procedure Accutech RTU Node Programming Examples.	7 7 7 8 10 11
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree Add an RTU – Procedure Import an RTU – Procedure Accutech RTU Node Programming Examples Displaying the Status of a Point	7 2 7 7 7 8 10 11 11
Section 2 – Accutech RTU Configuration Adding a Accutech RTU to the Intelli-Site Tree Add an RTU – Procedure Import an RTU – Procedure Accutech RTU Node Programming Examples Displaying the Status of a Point Additional Programming for Accutech Tag A	7 7 7 8 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11

Section 1 – Introduction

This section describes the following:

- Overview
- Technical Support Assistance

Overview

The Accutech RTU (Receiver/Transmitter Unit) is the Intelli-Site software representation of the Accutech product. For the purposes of this document, the term RTU is synonymous with control panel.

The Accutech RTU provides for user monitoring of all Accutech alarms, including:

- Driver Online status
- Line cut (including meter of the cut)
- Zone alarms

Technical Support Assistance

OSSI Headquarters

W228 N727 Westmound Drive Waukesha, WI 53186 Tel: 262-522-1870 Fax: 262-522-1880

Technical Support

Technical support is available via Telephone, Fax or Email. Contact OSSI Technical Support 8:00 AM to 5:00 PM Central Standard time. If calling after hours, please leave a detailed voice mail message, and someone will return your call as soon as possible.

E-Mail:	<u>support@ossi-usa.com</u>
Fax:	414-423-2943 (Attention OSSI
	Technical Support)
Local:	414-423-2942

When calling, please be at the computer prepared to provide the following information:

• Product version number, found by selecting

the **About** U button from the Intelli-Site Menu Application Bar.

- Product serial number used for registration.
- The type of computer being used including, operating system, processor type, speed, amount of memory, type of display, etc.
- Exact wording of any messages that appear on the screen.
- What was occurring when the problem was detected?
- What steps have been taken to reproduce the problem?

Section 2 – Accutech RTU Configuration

This section describes adding an Accutech RTU to the Intelli-Site tree and then configuring it.

Adding an Accutech RTU to the Intelli-Site Tree



The following section will describe how to add one or more Accutech RTU nodes to the tree. All procedures described in this section are accomplished in Design Mode.

Add an RTU – Procedure

1. Expand the System Layout Node and Right-Click on an Area. Select **Add Node...** from the Shortcut Menu as shown below:



2. Select the Accutech RTU, then enter the number of panels you wish to add to the tree in the **Total number to add:** edit box. You may add multiple panels to an area.

Add Node	x
Select Node Type	
Accutech	A
OPC OPC-16IN OPC-16OUT OPC-32IN OPC-32OUT OPC-8IN OPC-80UT Virtual Virtual Inputs (128)	
Total number to add: 1	
Add Node Browse Car	ncel



3. The RTU(s) will be added to the tree and the system level Text-To-Speech message **"Node Added"** will sound.

Import an RTU – Procedure

 Expand the System Layout Node and Right-Click on an Area. Select Add Node... from the Shortcut Menu as shown below:



2. Select the Browse button on the Add Node dialog: A browse window will open. Browse to the appropriate location then select the RTU .exp file you wish to import and select the <u>Open</u> button. A new type (Custom) will be automatically added to the Add Node dialog and the imported .exp will be listed below the Custom type.

Open	×
Look in: 🌗 RTU Exp Files 🗸 🗸	G 🤌 📂 🛄 -
Name	Date modified Ty
Unspecified (1)	
🗐 Test Accutech.exp	1/29/2013 3:15 PM Ex
٠ III	•
File <u>n</u> ame: •exp	Open
Files of type: Tree Node (* exp)	Cancel
Dpen as read-only	
	.11
Add Node	×
Add Node Select Node Type	×)
Add Node Select Node Type	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Inputs	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Outputs (128) Virtual Outputs (128)	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Inputs Virtual Outputs (128) Virtual Outputs (256) Virtual Outputs (32)	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Outputs (128) Virtual Outputs (256) Virtual Outputs (32) Virtual Outputs (64) Virtual Outputs (64)	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Outputs (128) Virtual Outputs (256) Virtual Outputs (32) Virtual Outputs (64) Virtual Outputs (64) Virtual Outputs Custom	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Outputs (128) Virtual Outputs (128) Virtual Outputs (32) Virtual Outputs (64) Virtual Outputs (64) Virtual Outputs Custom Test Accutech	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Outputs (128) Virtual Outputs (256) Virtual Outputs (32) Virtual Outputs (64) Virtual Outputs (64) Virtual Outputs Custom Test Accutech	
Add Node Select Node Type Virtual Inputs (32) Virtual Inputs (64) Virtual Outputs (128) Virtual Outputs (256) Virtual Outputs (32) Virtual Outputs (64) Total number to add:	

- 3. Select the imported RTU then enter the number of panels you wish to add to the tree in the **Total number to add:** edit box. You may add multiple panels to an area.
- 4. The RTU(s) will be added to the tree and the system level Text-To-Speech message **"Node Added"** will sound.

Accutech RTU Node

The following section describes configuring the various elements of an Accutech RTU.

Note: The Accutech software only allows for monitoring of status. Therefore, all points in the Accutech RTU are status points only.

An Accutech RTU consists of a parent (the basic panel node) and three children as follows:

- **Ajars** The ajar status of the eight zones' status as reported by the Accutech software.
- **Resets** The reset status of the eight zones' status as reported by the Accutech software.
- **Zone Supervision** The zone supervision status of the eight zones' status as reported by the Accutech software.
- Doors These are the readers at which tag alarms are reported. The only possible tag numbers are 0-255. These tag numbers must be added to Card Management Mode so that the tag reads will not report as "Card Not In Host Database". All Accutech reads are invalid reads. The three types of invalid reads are:
 - 1. Low Battery
 - 2. Exit Point Alarm
 - 3. Loiter



Additional programming may be accomplished with these types of alarms by using a Door Construct on the Door Actions tab.

- **Panel Status** This point will be on when the Accutech driver is communicating with the Accutech software, and off when not.
- **Comm Lost** This point will be on if the Accutech software reported that it is incapable of communicating with this particular Accutech Mux, and off if not.

Programming Examples

Displaying the Status of a Point

To use the Accutech RTU for monitoring the status of its points, add a graphic icon to a screen as described in the **Intelli-Site Reference Guide, Section 4: Managing Graphics**. Simply use the Accutech point that you wish to monitor as the display control point for the state you wish to display.

LeadIn New	n Scre	en	
Frame States Underlay Image M	Macros Notes/Comm	nents	
	State 2	? of 2	
			>> Insert Add Delete
	Propert	ies	
Display Control Points			
Point		Selection	Qual. Oper. 🔺
1 [1049] Accutech->Zone 1	Ajar	** Not applicable **	
3			•• •• •
	Insert Row(s)	Delete Row(s)	
Zone 1 Ajer	Rotate (deg.): 0	Flash to State: 0	PopUp X: 0
Image: *None*	Sound	*None*	PopUp Y: 0
	Labe	ł	
Counter/Object will supply lab	e	Font H-J Effects V-J	lustification: Center
Counter/Object to supply label:	[1049] Accutech->Zo	ne 1 Ajar	Lock Object
	Action	Sets	
Action		Target	A
1 2 3 4 5 6 7 8 Mouse Down (0) (Mouse	Up (0) 🔏 On Active	(0)	Insert Delete
			Ok Cancel

Additional Programming for Accutech Tag Alarms

To trigger additional actions based on a specific type of tag event, first create a Door Construct:



Next, bring up the properties of the new Door Construct:



On the Door Settings tab, drag and drop an Accutech reader into the Entry Access Points drop box:

Door Group - Do	oor see the Service of the second
Property Page	Door Settings Door Actions Notes/Comments
Type: Norma	al Host Controlled
Lock Status:	*None* (Optional, If left out, the Lock Status will come from the Door Lock)
Door Lock:	*None* Strike Time: 10 Relock Delay: 0
DPS:	*None*
Door Forced:	*None*
DOTL:	*None* Time: 20 Long Access Time: 30
DUTL:	*None* Time: 30
Comm Failure	Come Esilve Pointer
Alarm Point:	*None*
Disable O	Operation On Comm Failure
Entry	
Intercom C	Call: *None* Access Points:
Intercom Stati	tion: *None*
Ala	arm: *None*
Disa	able: *None* Auto-disable cards: *None*
Exit	Access Points:
Intercom C	Call: *None*
Intercom Stati	ion: *None*
Ala	arm: "None"
Disa	Auto-disable cards: None
- Global Anti-Pa Presence U	assback Jpdate Point: *None* Access Timeout: 10
Entry Destir	nation Zone: *None*
Exit Destir	nation Zone: *None*
	Ok Cancel

Next, on the Door Actions tab, select the Entry/Exit Action you want to program additional actions for:

Door Group	p - Door	In Screen		
Property F	Page Door Settings Door A	Actions Notes/Comments		
- Door A	Actions:			
Ever	nt: Door Secured (0)	•		
	Action	Target	Insert Row(s	ן ה
1			Delete Bowls	3
2			Delete Howla	
4				
5				
7				
8				
10			··· +	
-Entry/	/Exit Actions:			≤ 11
Event	General Authorized Entry (Entry & Exit Readers) (0)		
	General Authorized Entry (Entry & Exit Readers) (0)	Insert Bow(s)	
1	Authorized Entry (0) Authorized Exit (0)		Delete Bow(s)	
2	General Denied Entry (Entr Denied Entry (0)	y & Exit Readers) (0)		
4	Denied Exit (0)	(0)		
5	Card Not In Host DB Exit (0)		
7	Exit Low Battery Strength ((0) (0)		
8	Entry Exit Point Alarm (0) Exit Exit Point Alarm (0)			
9	Entry Loiter (0)		- -	
	LAR LORGE (U)			
			Ok Car	ncel

And, finally, program the actions you want in the Entry/Exit Action Grid and click OK:

Door	Group -	Door	In Screen		
Pro	perty Pag	ge Door Settings Doo	or Actions Notes/Comments		
l r	Door Acti	ions:			
	Event:	Door Secured (0)	▼		
	1	Action	Target	-	Insert Row(s)
	2				Delete Row(s)
	3				
	5				
	7				
	8				
	10			-	
	Entry/Exi	it Actions:			
	Event:	Entry Low Battery Stren	ngth (2) 🔹		
			Tarast		[Invest Device]
	1 Dut	Action	[2000] Sustem DTH SV Paint 1	-	Insert Row(s)
	1 Pul:	Action	[3989] System RTU->V-Point 1	Ô	Delete Row(s)
	1 Pul:	Action	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 2 3 4 5	se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 2 3 4 5 6 7	se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 2 3 4 5 6 7 8 9	se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pule 2 3 3 4 5 6 7 8 9 9 10	se	[3989] System RTU->V-Point 1	-	Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	Se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	Se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	Se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	Se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	se	[3989] System RTU->V-Point 1		Delete Row(s)
	1 Pul: 3 4 5 6 7 8 9 10	se	[3989] System RTU->V-Point 1		Delete Row(s)