

Version 1A 2/8/00



INTELLIGENT LIGHTING CONTROLS, INC.

5229 Edina Industrial Boulevard Minneapolis. Minnesota 55439 Phone 612 829 1900 FAX 612 829 1901 1-800-922-8004



Section 1 Program Description

1.0	Description	1-1
1.1	Starting Quanta Pro	1-1
1.2	Menu Bar Options	1-1
1.3	Folder Options	1-1
1.4	Elite Controller Setup Functions	1-1
1.5	Feature Selection Buttons	1-3
Sect	tion 2 Getting Started	
2.1	Overview	2-1
2.2	Project Description	2-1
2.3	Conventions	2-1
2.4	Configure the Network	2-2
2.5	Configure the Node 1 Manual Switches and	
	Map Them to the Desired Relay Outputs	2-2
2.6	Configure the Photocell Output as a Global Switch	2-2
2.7	Configure the Node 2 Manual Switches and	
	Map Them to the Desired Relay Outputs	2-2
2.8	Set the Controller Clocks	2-6
2.9	Configure the Node 1 Timers and	
	Map Them to the Desired Relay Outputs	2-6
2.10	Configure the Node 2 Timers and	
	Map Them to the Desired Relay Outputs	2-6
2.11	Starting the Network	2-6
Sect	tion 3 Advanced Operations	
3.1	Overview	3-1
3.2	Scenes	3-1
3.3	Define and Invoke the Scene	3-1
3.4	Conditional Statements	3-1
3.5	Program This Conditional Statement	3-1
Sec	tion 4 Appendix	
A In	stalling <i>Ouanta Pro</i>	A-1
	A.1 Introduction	A-1
	A.2 Minimum Computer Requirements	A-1
	A.3 Recommended Installation Procedure	A-1
	A.4 Configuration	A-1



Section 1– Program Description

ILC Quanta Lighting Control								
Quit Setup Run Abo	ut							
Elite Controllers	Elite Scenes	Host Scenes	Current Activity					
Elite Controllers Node: 0 [Host P.C.] Inputs Timers								
		Þ	Connect To Elite					
Network: STOPPED	COM1 38400	Connection: Seri	ial Host: Dedicated					



Section 1 Program Description

1.0 Description	1-1
1.1 Starting Quanta Pro	1-1
1.2 Menu Bar Options	1-1
1.3 Folder Options	1-1
1.4 Elite Controller Setup Functions	1-1
1.5 Feature Selection Buttons	1-3



1.0 Overview

Quanta Pro is a windows based lighting control software package. Using point and click commands you can quickly and easily program Quanta lighting controllers for any required application, obtain current I/O status and upload /download operating parameters between the controllers and your personal computer (PC).

You can program a single controller from your PC via RS232 connection to the controller serial port or a network of controllers via interface with the RS485 network. You can also program offsite via standard phone lines and modems.

1.1 Starting Quanta PRO

To Start Quanta Pro, "double click" on the Qe-LAN Icon. The home screen shown in Figure 1-1 will appear.

1.2 Menu Bar Options

The menu bar across the top of the screen, offers the following options (point & click on the option you want to invoke):

- Quit allows you to exit the program
- Setup permits you to configure the lighting control system and enter certain system parameters
- DMX permits you to set DMX individual control channel function for either no action, relay or scene control
- Run starts the lighting control network (LAN)
- About lists the software Rev. level

1.3 Folder Options

The folder options offered on the home screen are:

• Elite Controllers - used to define individual controller parameters like switches, timers, and I/O mapping and certain network and communications parameters

- Elite Scenes used to define and invoke user defined ON/OFF patterns executed by parameters resident in the Quanta (RSX) lighting controllers.
- Host Scenes used to define and invoke user defined ON/OFF patterns executed by parameters resident in your PC.
- Current Activity- used to bundle field initiated events like switch closures into set operational sequences.

1.4 Elite Controller Setup Functions

- Controllers lets you define certain network wide parameters common to all the controller nodes such as latitude/longitude coordinates, time zones, blink alerts, override times
- Network lets you define the number of nodes in the network, the number of I/O points in each controller, certain other specialty functions like phone communication and DMX parameters.
- Conditional Statements allows you to define If....Then statements used as control mechanisms
- Host Timers allows you to define timers whose parameters are resident in your PC and which are used to invoke network wide control scenarios.
- **Open-Close Times** permits you to enter the opening and closing times of a facility to which timers may be keyed.
- Set Elite Clocks- allows you to synchronize the clocks in all the controller nodes to the clock in your PC.
- Reload Each Controller downloads operational parameters currently resident on your PC to the controllers
- Work Offline allows you to enter parameters while not being linked to a controller
- Upload Settings permits you to transfer the current parameters resident in a controller to your PC.
- Direct Connect used when programming an individual controller from your PC by means of a RS232 cable between the PC and controller serial ports.





Figure 1-1 Quanta Pro Home Screen

1.5 Feature Selection Buttons

The home screen features the following feature selection buttons:

- Inputs- Point & click on Inputs to define switches, relay outputs and map switch inputs to relay outputs. (See Section 2 for details)
- Timers- point & click on Timers to define timers and map timers to relay outputs (See Section 2 for details)
- Connect To Elite- Point and click on Connect To Elite to link with the currently selected controller node & perform the operations listed in Table 1-1. Point & click on the desired operation. See Figure 1-2.

Operation	Comment
Display Relay Status	Displays current status of the node's relay outputs
Display Switch Status	Displays current status of the node's switch inputs
Turn On Single Relay	Turn ON a selected relay output
Turn OFF Single Relay	Turn OFF a selected relay output
Sweep All Relays On	Turns ON all the node's relay outputs
Sweep All relays OFF	Turns OFF all the node's relay outputs
Show Controller Settings	Displays Node's current time/date, time zone, # of I/O points, blink alert, override settings, and firmware revision
Set A Scene	Invokes a previously defined scene

Table 1-1

QUANTAPro

Program Description

Elite Controllo	10	Flite Scenes	Host Scenes	Current Activity					
Elite Controlle	IS	Elite Scenes	HUSC Scenes	Current Activity					
Elite Controller	\$								
Node: 0	[Host P.	C.]		nputs Timers					
<u>•</u>			Þ	Connect To Elite					
Network: STOP	PPED	COM1 38400) Connection: Seria	I Host: Dedicated					
		Home	Screen						
Ca	ntroller C	ommunications		×					
ſ	Node: 1	IE lite Node - 1	0011						
L. L.	NUUC. I		501]						
	Dispaly	Relay Status	Display Switch Stat	us					
	Turn Or	n Single Relay	Turn Off Single Relay						
1	Sweep /	ALL Relays ON	Sweep ALL Relays OFF						
17	Show Co	ntroller Settings	Set A Scene						
-			Class						
То	op Le	vel Comm	unication Scre	een					
			2						
R			R						
		Close	Off Inputs						
<u></u>									
Status									
. T.a. T.u.a. O	1								
				C					
				SWIICH					

2 3 4 5 6 1 F Close Sele 1 ς Ca Off Þ Turn ON Single Relay ILC Quanta Lighting Control Cancel Q.K. \times ?) Turn OFF Single Relay All Loads Will Be Turned On!...Continue? ILC Quanta Lighting Control \times <u>N</u>o Yes ?) All Loads Will Be Turned Off!...Continue? Sweep ON Yes <u>N</u>o Time/Date 11:52 Tuesday 02/08/00 Panel Name QUANTA ELITE Time Zone Central Auto DST Enabled Lat 045 ILC ELITE LIGHTING CONTROLLER REV 5.07 12/08/99 Elite Sweep OFF Lon 090 Sunrise 07:12 Sunset 17:15 I/O Points 08 SERIAL INTERFACE ILC E-PROTOCOL REV 5.10 02/17/99 Serial Select Scene Blink Alert (Minutes) 5 Override (Hours) 2 Þ A SECOND OPTION CARD IS NOT INSTALLED Keyboard Type Elite Option Network Commands Enabled Cancel O,K Refresh Close Set a Scene

Controller Settings

Quanta Pro User Manual

Version 1 Rev. A 2/9/00

Relay Status



Section 2 Getting Started

Ne	etwork	Setu	р													×
Г	Quant	a Elite	e Nod	es												
	0	$ 1\rangle$	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	173	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32
	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64
	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96
	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
			-					-						13		15
Phone Nodes DMX Connection 0 1 2 3 4 5 6 7 Unused I Setup																
Γ	RSX Node: 001 [Elite Node - 001] 000 I/O Points									ints						



Section 2 Getting Started

2.1	Overview	2-1
2.2	Project Description	2-1
2.3	Conventions	2-1
2.4	Configure the Network	2-2
2.5	Configure the Node 1 Manual Switches and	
	Map Them to the Desired Relay Outputs	2-2
2.6	Configure the Photocell Output as a Global Switch	2-2
2.7	Configure the Node 2 Manual Switches and	
	Map Them to the Desired Relay Outputs	2-2
2.8	Set the Controller Clocks	2-6
2.9	Configure the Node 1 Timers and	
	Map Them to the Desired Relay Outputs	2-6
2.10	Configure the Node 2 Timers and	
	Map Them to the Desired Relay Outputs	2-6
2.11	Starting the Network	2-6

Getting Started



2.1 Overview

The easiest way to develop proficiency in using Quanta Pro is to practice. Let's program a two node system using Quanta Pro. The control schedule we will be implementing appears in Tables 2-1 and 2-2.

2.2 Project Description

The project features two controllers each with 8 switch inputs and 8 relay outputs. The basic control strategy is to turn most of the lighting ON with switches (the outside lights by photocell) and turn the lights OFF by time schedule with multiple OFF sweeps to account for situations when the lights are turned back on after hours.

2.3 Conventions

The following terms are used in the programming procedures:

- Point & click = place the mouse pointer on an object and push the left mouse button
- **Double click** = place the mouse pointer on an object and push the left button twice.
- Actual entries or menu choices are bold/italics for example- *Save*.

Relay#	Circuit#	Area Controlled	Controlled By:
1	H2-1	East Hall	Switch Slv1 and timers 1 & 5
2	H2-2	West Hall	Switch Slv2 and timers 1 & 5
3	H2-3	East Office Bay	Switch Slv3 and timers 1, 2, 3
4	H2-4	East Office Bay	Switch Slv3 and timers 1, 2, 3
5	H2-5	West Office Bay	Switch Slv4 and timers 1, 2, 3
6	H2-6	West Office Bay	Switch Slv4 and timers 1, 2, 3
7	H2-7	North Parking Lot	Photocell and timer 4
8	H2-8	North Parking Lot	Photocell and timer 4

Control Schedule RP1

Switches: Land Slv1 on input 1, Land Slv2 on input 2, Land Slv3 on input 3, Land Slv4 on input 4, Land photocell on input 5. Slv1-4 are 3 wire momentary, photocell is 2 wire maintained.

Timers: timer 1=OFF at 10:30 PM, timer 2=OFF at 6:30 PM, timer 3=OFF at 8:30 PM, timer 4 = OFF at 11:30 PM, timer 5=ON at 7 AM.

Relay #	Circuit #	Area Controlled	Controlled By:
1	H2-9	South Parking Lot	Photocell and timer 1
2	H2-10	Cafeteria	Switch Slv5 and timers 2, 3, 4
3	H2-11	Cafeteria	Switch Slv5 and timers 2, 3, 4
4	H2-12	Shop	Switch Slv6 and timers 5, 6
5	H2-13	Shop	Switch Slv6 and timers 5, 6
6	H2-14	Shop	Switch Slv7 and timer 6
7	H2-15	Shop	Switch Slv7 and timer 6
8	H2-16	Shop	Switch Slv7 and timer 6

Control Schedule RP2

Switches: Land Slv5 on input 1, Land Slv6 on input 2, Land Slv7 on input 3, Slv5, 6, 7 are 3 wire momentary, photocell is global switched from RP1.

Timers: timer 1=OFF at 11:30 PM, timer 2=OFF at 6:30 PM, timer 3=OFF at 8:30 PM, timer 4 = OFF at 10:30 PM, timer 5 = ON at 6:00 AM, timer 6 = OFF at 5:00 PM.

2.4 Configure the Network

- 1. After starting Quanta Pro and powering up the two controllers, select the Elite Controller folder and point & click on *Setup*. (See Figure 2-1.)
- 2. When the pull down menu appears, point & click on *Network*.
- 3. When the node grid screen appears, point & click on *Node 001*.
- 4. When the node 1 configuration screen appears, point & click on the scroll box up or down arrow and then point & click on **8** *I/O*.
- 5. Configure node 2 by following steps 3 and 4 for node 2.
- 6. Point & click on *Save* to return to the home screen and download the data to the controllers.

2.5 Configure the Node 1 Manual Switches and Map Them to the Desired Relay Outputs

1. While on the home screen, point & click on *Inputs*.

- 2. When the I/O mapping grid appears, point and click on *Input 1*. (See Figure 2-2)
- When the input type scroll box appears, click on the up or down arrow until *Momentary On/Off* appears; then point and click on it.
- 4. Point & click on the input description field and type in *Slv1*.
- 5. Point & click on *Save* to return to the I/O grid.
- 6. Point & click on **Output 1**.
- When the output definition screen appears, point & click on the output description field and type in *East Hall*. (Note the other two parameters configured on this screen are *Timer Output Style* & *Power On Settings*, the default values are OK for this application.
- 8. Point & click on *Save* to return to the I/O mapping grid.
- 9. Point & click on the grid cell where Input 1 and Output 1 intersect. Point and click

until **Both** appears in the cell grid indicating that the switch will turn the relay ON and OFF.

- 10. Repeat steps 2-9 for the other manual switches (Slv2-4) wired to Panel RP1
- 11. Point & click on *Save* to download the data to node 001.

2.6 Configure the Photocell Output as a Global Switch

- 1. Point & click on Inputs
- 2. When the I/O grid appears, point & click on *Input 5*.
- 3. Point & click on the input description field; then type in *photocell*.
- 4. Point & click on the input type scroll box ; then point & click on *Maintained On/Off*
- 5. Point & Click on **Save**.
- 6. Point & click on Output 7.

7. Type in *North Parking Lot* in the output description field.

- 8. Point & click on the output style scroll box; then point & click on *No Blink Alert*.
- 9. Point & click on Save to return to the I/O grid.
- 10. Repeat steps 6-9 for output 8
- 11. Point & click on the black dot to the left of *Input 5*
- 12. When the node and output matrix screen appears (see Figure 2-3), point & click on *Output 7, node 001* until *Both* appears in the action box.
- 13. Repeat step 12 for output 8.
- 14. Point & click on *Save* to return to the I/O grid screen.
- 15. Repeat steps 11-14 for output 1 Node 002.

2.7 Configure the Node 2 Manual Switches and Map Them to the Desired Relay Outputs

- 1. From the home screen, point & click on the node scroll box; then point & click on *Node 002*.
- 2. Define Node 002, switches, outputs, and I/O mapping using the techniques covered in 2.5.





N	Network Setup															
Г	Quanta Elite Nodes															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	173	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32
	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
	79	78	77	76	75	74	73	72	71	70	69	68	67	66	65	64
	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
	111	110	109	108	107	106	105	104	103	102	101	100	99	98	97	96
	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
			-			J		•	U		10		16	13		13
	Phone Nodes DMX Connection 0 1 2 3 4 5 6 7 Unused v Setup Cancel Save															
Γ	RSX Node: 001 [Elite Node - 001] 000 I/O Points							ints								

Node Grid Screen

Elite Node: 001 💌							
[Elite Node - 001]							
1/0) Points						
	8 1/0 Points						
	Unused						
Cle	16 I/O Points						
	24 I/O Points						

Node 1 Configuration Screen

Figure 2-1, Network Configuration

Getting Started



I/O Mapping Grid



Input Type



QUANTAPro

Output Definition

Switch Input / Relay Output Control	Switch Input / Relay Output Control 🛛 🔀
Node: 1 [Elite Node - 001]	Node: 1 [Elite Node - 001]
Output Relay East Hall	Output Relay West Office Bay
1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8
• 1 Both	● 1 Both
	● 2 - Both
	● 3 Both Both
	• 4 · · · · Both Both - ·
Switch Input SIv1 Save	Switch Input Slv4 Save

I/O Mapping (Input 1)

I/O Mapping (Inputs 1-4)



Getting Started

Switch Input / Relay Output Control 🛛 🕅					
Node: 1 [E	lite Node - 001]				
Output Relay					
1	2 3	4 5	6 7 8		
🛑 📘 Bo	th		· · ·		
• 2 -	Both -		· · ·		
• 3 -	- Both	Both -	· · ·		
• 4 -		- Both	Both		
• 5			· · ·		
🔹 🕒 🕒 👘		· ·	· · ·		
• 7 -			· · ·		
• 8 -		· ·	· · ·		
Switch Input	Photocell		Save		

I/O Mapping Grid

Edit Input 005		\times	
Photocell	Т		
Input Type			
Maintained C)n/Off	•	
	Cancel	Save	



Edit Output 007 🛛 🕅
North Parking Lot T
Timer Output Style
No Blink Alert
Power On Setting
No Action
Cancel Save

QUANTAPro

Output Definition

Global Switch Control Global Switch Node / Input Nd: 001 [Elite Node - 001]	In: 005 Photocell
Output Node / Relay Node: 001 [Elite Node - 001]	Out: 007 North Parking Lot
	Action Both
Set All None On Off Both	Save

I/O Mapping (Input 1)



2.8 Set the Controller Clocks

Follow this procedure to synchronize the controller clocks to the clock in your PC. This is important for implementing time based control. (See Figure 2-4)

- 1. Be sure your PC is set to the correct time.
- 2. From the home screen, point & click on *Setup*
- 3. Point & click on Set Elite Clocks

2.9 Configure the Node 1 Timers and Map Them to the Desired Relay Outputs

- 1. From the home screen, ensure that the *Elite Controller* envelope and *Node 001* are selected.
- 2. Point & click on *Timers* to access the timer/output grid. (See Figure 2-5)
- 3. Point & click on *timer 1*.
- 4. Type in *OFF at 10:30 PM* in the timer description field.
- 5. Point & click on the appropriate hour arrow until *10:00 PM* appears in the time box.
- 6. Point & click on the appropriate minute arrow until *10:30 PM* appears in the time box.
- 7. Point & click on the day of the week check boxes to pick the days on which you want timer 1 to occur.
- 8. Point & click on *Save* to return to the timer/output grid.
- 9. Point & click on the grid cell where timer 1 and output 1 intersect until *Off* appears in the cell.
- 10. Repeat step 9 for outputs 2-6.
- 11. Repeat Steps 2-10 to define timers 2-5 and map them to the correct outputs
- 12. Point & click on *Save* to download the data to Node 001 and return to the home screen.

2.10 Configure the Node 2 Timers and Map Them to the Desired Relay Outputs

- 1. From the home screen, ensure that the *Elite Controller* envelope and *Node 002* are selected,
- 2. Follow the procedure detailed in 2.9.

2.11 Starting The Network

To make the LAN operational; from the home screen, point & click on *Run*. (See Figure 2-6)



🔄 ILC Quanta Lightin	g Control		
Quit Setup Run Abo	out		
Elite Controllers	Elite Scenes	Host Scenes	Current Activity
Elite Controllers	e Node - 001]		puts Timers
			onnect To Elite
Network: STOPPED	COM1 38400	Connection: Serial	Host: Dedicated

Home Screen

<i>Ш</i> снь	C Quanta Lighting Control			_ _ X
Quit	Setup Run About			
EI	Controllers Network	cenes	Host Scenes	Current Activity
Eli) N	Conditional Statements Host Timers Open-Close Times)1]		Inputs Timers
•	Set Elite Clocks Reload Each Elites		Þ	Connect To Elite
Ne	Work Offline	38400	Connection: Seri	ial Host: Dedicated

Pull-Down Menu

Figure 2-4, Setting The Controller Clocks

Getting Started





Timer / Relay Ou	itput Control						\times
Node: 1	[Elite Node	001]					
Re	lay Output	East	Hall				
1	2	3	4	5	6	7	8
		-	-	- [-	-	-
2 2		· [· [- [-	-	-
3 -		· [· [- [-	- [•
4 -		· [· [- [-	- [-
5 -		· [· [- [-	- [-
6 -		· [•	- [-	- [•
7 -		· [· [- [-	-	•
▼ 8 -		- [- [•	•	- [-
Timer						Sav	e

Edit Timer 001 🔀
OFF at 10:30 PM I
Astro Time Open-Close Time I Di30 PM I I Holiday Daily S R M R T R W R T R F S All None R Ignore Holidays Cancel Save

QUANTAPro

Timer Definition

Timer/Output Grid



Timer/Output Mapping (Getting Started)

Timer / Relay Output Control [Elite Node - 001] Node: 1 Relay Output 1 2 3 4 5 6 7 1 Off Off Off Off Off Off 2 Off Off Off Off 3 Off Off Off Off 0ff Off 4 --5 On On 6 7 - 8 Timer ON at 7:00 AM Save

Timer/Output Mapping (Complete)

Figure 2-5, Timer Configuration/Mapping



🖉 ILC Quanta Lightin	g Control		
Quit Setup Run, Abo	put		
Elite Controllers	Elite Scenes	Host Scenes	Current Activity
Elite Controllers			
Node: 1 [Elite	e Node - 001]		Inputs Timers
			Connect To Elite
Network: STOPPED	COM1 38400	Connection: Seri	al Host: Dedicated

Home Screen

🖉 ILC Quanta Lighting	Control		
Quit Setup Run Abou	t.		
Stop Network	ß		
Network: Running	COM1 3840	Connection: Serial	Host: Dedicated

Network Running

Figure 2-6, Starting The Network



Section 3 Advanced Operations

ILC Quanta Lighting Control	
Quit Setup Run About	
Elite Controllers Elite Scenes Host Scenes	Current Activity
Elite Scenes	
Scene: 2 [RSX Scene - 002]	Set This Scene
	Edit Scene
Network: STOPPED COM1 38400 Connection: Series	al Host: Dedicated

Advanced Operations- Table of Contents



Section 3 Advanced Operations

3.1 Overview	3-1
3.2 Scenes	3-1
3.3 Define and Invoke the Scene	3-1
3.4 Conditional Statements	3-1
3.5 Program This Conditional Statement	3-1

3.1 Overview

This section covers operations that should be undertaken only after you have mastered the operations discussed in Section 2.

3.2 Scenes

Scenes are user defined On/Off load patterns. There are two types. Elite (RSX) Scenes, the definition of which resides in the controller and host scenes that reside in your PC. You can define up to 256 Elite Scenes. Elite Scenes are recommended over Host Scenes because they can be more rapidly executed.

The easiest way to illustrate how to define an Elite Scene is by example. Let's define the following scene as Elite Scene 2 Node 001 outputs 2, 4, 6, 8 turn ON Node 001 outputs 1, 3, 5, 7 turn OFF

3.3 Define and Invoke the Scene

- 1. Point & click on the *Elite Scene* folder.
- 2. Point & click on the appropriate scene selection arrow; then point & click on **RSX Scene 002**. (See Figure 3-1) (If you double click on the scene title field you can enter you own name for this scene.)
- 3. Point & click on *Edit Scene*.
- 4. Point & click on the node selection scroll box; then point & click on *Node 001*.
- 5. Point & click on *Output 2* until *Off* appears in the action box.
- 6. Repeat step 5 for outputs 4, 6, 8,
- 7. Point & click on *Output 1* until *On* appears in the action box.
- 8. Repeat step 7 for outputs 3, 5, 7.
- 9. Point & click on close.
- 10. Point & Click on *Set This Scene* to invoke the scene.

3.4 Conditional Statements

You can implement unique control scenarios by developing conditional statements. With a conditional statement, the controller evaluates whether or not certain criteria QUANTAPro

you have specified are true or false and then signals specified relay output(s) to switch ON/OFF or sets a scene you have programmed.

Let's program the following conditional statement:

Conditional Statement 001:

If Input 4, node 2 is closed And If Output 5, node 1 is ON Then Set RSX Scene 3

3.5 Program This Conditional Statement

- 1. Point & Click on the Elite Controllers folder.
- 2. Point & click on Setup.
- 3. Point & click on *Conditional Statements*.
- When the conditional statement editor appears, point & click on Row 01 column 01. (See Figure 3-2)
- 5. Point & click on the scroll box; then point & click on *On Input Closed*.
- 6. Point & click on the Node scroll box; then point & click on *Node: 002*.
- 7. Point & click on the Input scroll box; then point & click on *Input: 004*.
- 8. Point & click on *Save* to return to the conditional statement editor.
- 9. Point & click on row 02, column 01.
- 10. Point & click on the scroll box; then point & click on *Output On*.
- 11. Point & click on the Node scroll box; then point & click on *Node: 001*
- 12. Point & click on the Output scroll box; then point & click on *Output: 005*.
- 13. Point & click on *Save* to return to the conditional statement editor.
- 14. Point & click on True, column 01.
- 15. Point & click on the scroll box; then point & click on *Set RSX Scene*.
- 16. Point & click on the RSX Scene scroll box; then point & click on *Scene: 003*
- 17. Point & click on *Save* to return to the conditional statement editor.
- 18. Point & click on *Close* to return to the Home Screen.

QUANTAPro

Advanced Operations



Elite Scenes, Top Level Screen

Elite Scene Edit		×
Elite Scene Number / Name		Test This Scene
Scene: 002 [RSX Scene - 002]		This Node
Output Node / Belay		
Node: 001 [Elite Node - 001]		
Out: 002	Action Off	None On Off
1 2 3 4 5 6 7 8		
2		
		Close

Editing the Scene (OFF Relays)

Elite Scene Edit		×
Elite Scene Number / Name		Test This Scene
Scene: 002 [RSX Scene - 002]		This Node
		All Nodes
Output Node / Relay		
Node: 001 [Elite Node - 001]		Set All
Out: 001	Action On	None On Off
		Close

Editing the Scene (ON Relays)

🖉 ILC Quanta Lighting	g Control		
Quit Setup Run Abo	ut		
Elite Controllers	Elite Scenes	Host Scenes	Current Activity
Elite Scenes Scene: 2 [RSX	Scene - 002]		Set This Scene
		<u> </u>	Edit Scene
Network: STOPPED	COM1 38400	Connection: Seria	Host: Dedicated
	0 111 11	<u> </u>	

Setting the Scene

Figure 3-1, Scene Configuration

Advanced Operations



12 IL	C Quanta Lighting Control			X
Quit	Setup Run About			
EI	Controllers Network	cenes	Host Scenes	Current Activity
Eli) N	Conditional Statements Host Timers 3 Open-Close Times)1]		Inputs Timers
	Set Elite Clocks Reload Each Elite		F	Connect To Elite
Ne	Work Offline	38400	Connection: Seri	al Host: Dedicated

Set up Pull Down Menu

ILC C	Conditiona	l Statem	ient l	Editor	ī															\times
Con	ditional S	tatemen	t 01	∎		Þ	C	Condition Not Used												
	Ro w 01	-	- [-	-	-	-	-	-		•	-	-			-	-	-	1	-
	Row 02	-	-	-	-	•	-	-	-		•	-	-			-	-	-		-
	Row 03	-	-	-	-	•	•	-	-		•	-	-			-	-	-		·
-	Row 04	-	-	-	-	•	-	-	-		•	-	-			-	-	-		-
Ac	tions																			
lf	True				•			-	-	-		-	-	-	-		•	-	-	4
lf	False				•			•	-	-		-	-	-			•	-	-	1
																Survey of the second se		Clos	e	

Conditional Statement Editor

Edit Condition	Edit Condition
Row 01 Column 01 On Input Closed	Row 02 Column 01 Output On
Switch Input Node: 002 Input: 004 Save	Relay Output Cancel Node: 001 Image: Output: 005 Save
Defining Criteria 1	Defining Criteria 2

Edit Action	×
Result True Column 01 Set A RSX Scene	•
Set A RSX Scene	Cancel
Scene 003	Save
×	

Defining the Action if Criteria Are True

Figure 3-2, Conditional Statements



Section 4 Appendix

Time/Date 11:52 Tuesday 02/08/00	F	Panel Name QUANTA ELITE
Time ZoneCentralLat045Auto DSTEnabledLon090Lio DSunrise07:12	Elite	ILC ELITE LIGHTING CONTROLLER REV 5.07 12/08/99
Blink Alert (Minutes) 5 Override (Hours) 2	Serial	SERIAL INTERFACE ILC E-PROTOCOL REV 5.10 02/17/99
Keyboard Type Elite Network Commands Enabled	Option	A SECOND OPTION CARD IS NOT INSTALLED
		Refresh Close



Section 4 Appendix

A Installing Quanta Pro	A-1
A.1 Introduction	A-1
A.2 Minimum Computer Requirements	A-1
A.3 Recommended Installation Procedure	A-1
A.4 Configuration	A-1



A.1 Introduction

Most customers have Quanta Pro installed on their computer at the factory or by an ILC field service technician during the system start-up. If you have elected to install the software yourself, follow these instructions. Call ILC tech support if you need help (1-612-829-1900).

A.2 Minimum Computer Requirements

- IBM compatible PC
- 486DX 66 or faster (Pentium recommended)
- 1 RS232 serial port
- CDROM or CDROM R/W drive
- Windows 95, 98 or newer
- 8 MB RAM
- VGA or SVGA monitor- 640 x 480 min 800 x600 recommended
- Mouse & keyboard or Touch Screen

A.3 Recommended Installation Procedure

Place the CDROM disk containing Quanta Pro, Quanta Pro into your computer's drive.

- 1. Go to RUN on your computer and Browse and select Setup for Qe-LAN.
- 2. Follow the online instructions.

A.4 Configuration

Open **Qe-LAN.ini** and enter the COMM port supporting communications with the ILC lighting