Installation Instructions VCIOM-17028 Rev. 0 January 2022

M124 Controlinc Network Master

Bettis XTE3000 Integration Procedure







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A WARNING

Failure to follow instructions for proper installation may result in errant information being displayed.

Section 1: Adding XTE3000 Actuators into Existing Network

(Number of actuators increases)

1.1 Update Firmware in Slot 1 Coprocessor Module

- Obtain firmware file "M124N500.abm" and "Controlinc Network Master Firmware Download Procedure" from Emerson website, link: www.Emerson.com/Controlinc.
- Use the procedure to download M124N500.abm firmware to Slot 1 Coprocessor module.

1.2 Configure Controlinc Network Master to Communicate with XTE3000 Actuators

- 1. Update number of actuators in the loop.
 - Open up TECLINC and established communication, Figure 1.

File Edit View Tools Wi	nfiguration) ndow Help				0	. 11
Open Save Recv	Send Com Spy Scan	User CM Logi Run Arm Cd				
Host 1	Host 2	1	Module Fir	mrware/Status		_
Baud Rate	Baud Rate		CPU	1.10	Slot 2 3.00	-
9600	9600 -	STORE THE	1	1 110	T Debug	
Parity	Parity		Slot 1	1.05	Slot 3 1.60	_
None	None •		e Run		□ Debug	
Mode	Mode	4 55 55	C Debu	a	Slot 4 1.60	
RS232	RS232 •	U.	Progr		Debug	
Address	Address	LCD Passcode	Address	Sequence	Device Type	1
1	1	0	1	1	2	
*	*==	•	2	2	2	
Slave Network			3	3	2	
Baud Rate		Slave Count	4	4	2	
Dana nate		85	5	5	2	
Port A and B Port C and D			6	6	2	
		Timeout 50	7	7	2	
9600	- 9600	· ·	8	8	2	
			9	9	2	
			10	10	2	-
			2018/1/23		14	1:47
Network Master						

 Change the "Slave Count" number to match with the number of devices on the loop, Figure 2.

Figure 2

File Edit View Tools Window	v Help		
Open Save Recv Ser		er EM Lage	Run Alarm Cal
Host 1	Host 2		
Baud Rate	Baud Rate		
9600 -	9600		
Parity		Contract of the local division of the local	A and
None •		000	9
Mode	Change numb		5.5
RS232 •	devices on the n	etwork	
Address			
1			0
Slave Network			
Baud Rate		Slave Count	85 🕂
Port A and B	Port C and D	Timeout	· · · · · · · · · · · · · · · · · · ·
9600	- 9600 -	rimeout	50 🔆

 Click "Send" and wait for 5 seconds then "Read" to make sure it is written, Figure 3.

	dg 🖀 Q 🥹	Uner EM Logo Run Aleren Cel
Host 1	Host 2	
Baud Rate	Baud Rate	
9600 Parity None Mode	Click "Send"	
RS232 •	RS232 •	U.e.
Address	Address	LCD Passcode
1	1	0 🕂
*		
Slave Network Baud Rate	Port C and D	Slave Count 85

- 2. Edit Scanlist
 - On TECLINC master Main Page, refer to Figure 1.
 - Select "Address" to edit or to add more actuators to the network, Figure 4.

Figure 4

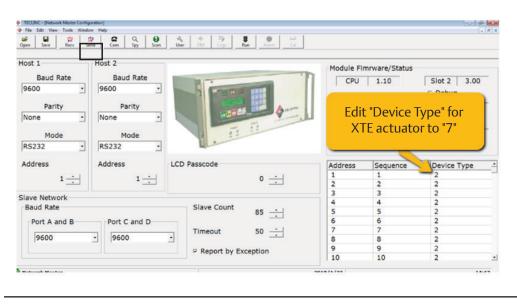
Module Fir CPU t 1 un lebu rogr	g	Slot 2 3.00 Debug Slot 3 1.60 Debug Slot 4 1.60 Debug Debug	<u> </u>
un Jebu rogr	ig ram	Slot 3 1.60 T Debug Slot 4 1.60 T Debug	
Address	Sequence	Device Type	-
1 2	1 2	2	-
3 4 5 6	3 4 5 6	2 2 2 2	
7 8 9 10	7 8 9 10	2 2 2 2	_
	4 5 6 7 8 9	3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10	3 3 2 4 4 2 5 5 2 6 6 2 7 7 2 8 8 2 9 9 2 10 10 2

– Click "Send" and wait for 5 seconds then "Read" to verify it is written.

3. Enter Device Type

In order for Controlinc to recognize XTE3000 actuators, set "Device Type" to 7.

- On TECLINC master Main Page, refer to Figure 1.
- Select "Device Type" then enter "7" for XTE3000 actuator, Figure 5.



- Click "Send" and wait for 5 seconds then "Read" to make sure it is written.
- Cycle Network Master power.

Section 2: Replacing Actuators with XTE3000 in Existing Network

(Number of actuators stays the same)

2.1 Update Firmware in Slot 1 Coprocessor Module

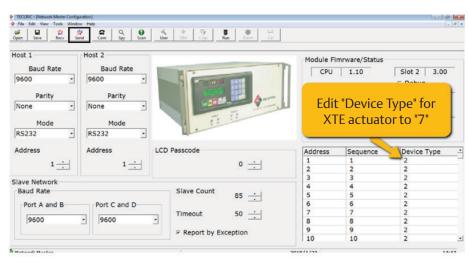
- Obtain firmware file "M124N500.abm" and "Controlinc Network Master Firmware Download Procedure" from Emerson website, link: www.Emerson.com/Controlinc.
- Use the procedure to download M124N500.abm firmware to Slot 1 Coprocessor module.

2.2 Configure Controlinc Network Master to Communicate with XTE3000 Actuators

- 1. No change to the number of actuators in the loop.
- 2. No change to the Scanlist.
- 3. Edit "Device Type".

In order for Controlinc to recognize XTE3000 actuators, change "Device Type" to 7.

- On Touch Panel go to Main Menu, Figure 1.
- Select "Device Type" then enter "7" for XTE3000 actuator, Figure 6.



- Click "Send" and wait for 5 seconds then "Read" to verify it is written.
- Cycle Network Master power.

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