

TRANE-RTAA Information

General Information

Company: _____ Phone: _____
Name: _____ Title: _____ Email: _____
Mobile: _____ Site: _____

Unit Information

Model of existing Control Panel _____
Model # _____ Unit Serial # _____ Site Unit # _____
What is the Voltage of the Unit? ☐ 208V, ☐ 230V, ☐ 460V, ☐ 4160V, ☐ Other Voltage _____
What is the Control voltage in the unit? ☐ 24V, ☐ 115V, ☐ 230V, What type of Refrigerant is being used? _____
Is MCS monitoring Main Voltage? ☐ Yes ☐ No.

Network Information

1. Integrating to Building Management System (BMS) ☐ Yes ☐ No, If yes, complete the form provided on page 2 and 3.

Motor Information

2. What is the Starter Type? _____
3. What are the motor "RUN LOAD APMS" (FLA)? Comp#1. _____ Comp#2. _____ Comp#3. _____ Comp#4. _____

Condenser and Pump Information

4. Are there VFD's on the condenser fans? ☐ Yes ☐ No.
a. If yes, how many are on each circuit? _____.
5. Number of condenser fan contactors per circuit: _____.
6. Is MCS controlling Chill Water pumps? ☐ Yes ☐ No.
a. Number of Chill water Pumps: _____.
7. How will the chill water pump(s) be wired? _____

COMMENTS (Is there any other information we need to know?):

MCS-NitroMag Network Settings

Please Note that if no Selections are made, the MCS-NitroMag will be programmed using MCS default settings listed below. If there are any changes that are required on site, you may be subject to a phone support charge.

MCS Default NitroMag Ethernet Communication

Selection	Ip Address	Subnet	Default Gateway	MCS IP Port	BACnet ID
☐	192.168.18.101	255.255.255.0	192.168.18.1	5001	18101

Custom MCS-NitroMag Ethernet Communication

☐					
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MCS Default NitroMag Wifi Settings

Selection	SSID	Password	IP Address	Subnet Mask
☐	NitroMag MacAddress	MCSadmin22	192.168.99.1	255.255.255.0

Custom NitroMag Wifi

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RS485#1-Protocol Settings

MCS Default RS485 #1

Selection	MCS System Address	Protocol Type	Baud Rate	
☐	1	MCS	19200	

Custom MCS-Protocol Address and Baud Rate

☐		MCS		
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MCS Default RS485 #1 BACnet MS/TP Protocol Settings

Selection	MS/TP #1 Mac Address	Baud Rate	Max Master	Max Frames	MS/TP BACnet ID 1
☐	1	19200	127	10	18101

Custom BACnet MS/TP Protocol Settings

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MCS Default RS485 #1 Modbus RTU Master

Selection	Baud Rate	Parity	Stop Bits	Poll Delay(ms)	Poll Timeout (ms)	Bits Per Byte
☐	38400	No Parity	1	100	500	8

Custom Modbus RTU Master

☐						
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MCS Default RS485 #1 Modbus RTU Slave

Selection	MCS System Address	Baud Rate	Modbus Slave Address
☐	1	38400	1

Custom Modbus RTU Slave

☐			
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RS485 #1 PMGR Master

Selection	Default MCS System Address	Selection	Custom MCS System Address	Baud Rate
☐	1	☐		38400

RS485 #1 PMGR Slave

Selection	Default MCS System Address	Selection	Custom MCS System Address	Baud Rate
☐	1	☐		38400

MCS-NitroMag Network Settings

RS485#2-Protocol Settings

MCS Default RS485 #2

Selection	MCS System Address	Protocol Type	Baud Rate
☐	1	MCS	19200

Custom MCS-Protocol Address and Baud Rate

☐		MCS	
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MCS Default RS485 #2 BACnet MS/TP Protocol Settings

Selection	MS/TP #1 Mac Address	Baud Rate	Max Master	Max Frames	MS/TP BACnet ID 1
☐	1	19200	127	10	18101

Custom BACnet MS/TP Protocol Settings

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MCS Default RS485 #2 Modbus RTU Master

Selection	Baud Rate	Parity	Stop Bits	Poll Delay(ms)	Poll Timeout (ms)	Bits Per Byte
☐	38400	No Parity	1	100	500	8

Custom Modbus RTU Master

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MCS Default RS485 #2 Modbus RTU Slave

Selection	MCS System Address	Baud Rate	Modbus Slave Address
☐	1	38400	1

Custom Modbus RTU Slave

☐			
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RS485 #2 PMGR Master

Selection	Default MCS System Address	Selection	Custom MCS System Address	Baud Rate
☐	1	☐		38400

RS485 #2 PMGR Slave

Selection	Default MCS System Address	Selection	Custom MCS System Address	Baud Rate
☐	1	☐		38400

Johnson N2 protocol requires integration through an MCS-BMS-GATEWAY

Johnson N2 Default MCS-BMS-GATEWAY Protocol Settings

Selection	Baud Rate	BACnet ID
☐	9600	18103

Custom Johnson N2 MCS-BMS-GATEWAY Protocol Settings

☐	9600	
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Lontalk protocol requires integration through an MCS-BMS-GATEWAY

LONTALK Default MCS-BMS-GATEWAY Protocol Settings

Selection	BACnet ID
☐	18103

Custom LONTALK MCS-BMS-GATEWAY Protocol Settings

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