



## Appendix A

### Field Wire

<b>33242106</b>	<b>22/1.5 Pair Stranded / Shielded / Plenum / 1000' Reel in a Box / Blue</b>	<b>JCI BACnet / N2</b>
<b>33282107</b>	<b>22/2 Pair Stranded / Shielded / Plenum / 1000' Reel in a Box / Brown</b>	<b>SA BUS</b>
31146102	18/2 Stranded / Unshielded / Plenum / 500' Reel in a Box / Yellow	Input & Output
31142102	18/2 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Yellow	Input & Output
31146103	18/2 Stranded / Unshielded / Plenum / 500' Reel in a Box / Orange	Input & Output
31142103	18/2 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Orange	Input & Output
31146105	18/2 Stranded / Unshielded / Plenum / 500' Reel in a Box / Green	Input & Output
31142105	18/2 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Green	Input & Output
31146106	18/2 Stranded / Unshielded / Plenum / 500' Reel in a Box / Blue	Input & Output
31142106	18/2 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Blue	Input & Output
31146110	18/2 Stranded / Unshielded / Plenum / 500' Reel in a Box / Purple	Input & Output
31142110	18/2 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Purple	Input & Output
<b>31146112</b>	<b>18/2 Stranded / Unshielded / Plenum / 500' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
<b>31142112</b>	<b>18/2 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
31266102	18/3 Stranded / Unshielded / Plenum / 500' Reel in a Box / Yellow	Input & Output
31262102	18/3 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Yellow	Input & Output
31266105	18/3 Stranded / Unshielded / Plenum / 500' Reel in a Box / Green	Input & Output
31262105	18/3 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Green	Input & Output
31266106	18/3 Stranded / Unshielded / Plenum / 500' Reel in a Box / Blue	Input & Output
31262106	18/3 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Blue	Input & Output
<b>31266112</b>	<b>18/3 Stranded / Unshielded / Plenum / 500' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
<b>31262112</b>	<b>18/3 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
31156103	18/4 Stranded / Unshielded / Plenum / 500' Reel in a Box / Orange	Input & Output
31152103	18/4 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Orange	Input & Output
31156105	18/4 Stranded / Unshielded / Plenum / 500' Reel in a Box / Green	Input & Output
31152105	18/4 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Green	Input & Output
<b>31156112</b>	<b>18/4 Stranded / Unshielded / Plenum / 500' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
<b>31152112</b>	<b>18/4 Stranded / Unshielded / Plenum / 1000' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
31166105	18/6 Stranded / Unshielded / Plenum / 500' Reel in a Box / Green	Input & Output
31162105	18/6 Stranded / Unshielded / Plenum / 1000' Reel / Green	Input & Output
<b>31176112</b>	<b>18/6 Stranded / Unshielded / Plenum / 500' Reel in a Box / Natural</b>	<b>Input &amp; Output</b>
<b>31172112</b>	<b>18/6 Stranded / Unshielded / Plenum / 1000' Reel / Natural</b>	<b>Input &amp; Output</b>
31172110	18/8 Stranded / Unshielded / Plenum / 1000' Reel / Purple	Input & Output
<b>31172112</b>	<b>18/8 Stranded / Unshielded / Plenum / 1000' Reel / Natural</b>	<b>Input &amp; Output</b>

## Appendix E

### PROGRAMMABLE CO

#### **FX-PCG1611-0**

FX-PCG1611-0ET

FX-PCG1611-0G

#### **FX-PCG1621-0**

FX-PCG1621-0G

#### **FX-PCG2611-0**

FX-PCG2611-0ET

FX-PCG2611-0G

#### **FX-PCG2621-0**

FX-PCG2621-0G

#### **FX-PCA2611-0**

FX-PCA2612-1

### TERMINAL BOX CONT

#### **FX-PCV1615-0**

#### **FX-PCV1630-0**

#### **FX-PCV1832-0**

### EXPANSION POINT M

#### **FX-PCX1711-0**

FX-PCX1711-0G

#### **FX-PCX2711-0**

FX-PCX2711-0G

FX-PCX2721-0

#### **FX-PCX3711-0**

FX-PCX3711-0G

FX-PCX3721-0

FX-PCX3731-0

#### **FX-PCX4711-0**

FX-PCX4711-0G

### LCD DIGITAL DISPLAY

#### **FX-DIS1710-0**

FX-DIS1710-0G

### NETWORK THERMOS

TEC2101-4

TEC2101-4+PIR

TEC2102-4

TEC2102-4+PIR

TEC2103-4

TEC2103-4+PIR

TEC2104-4

TEC2104-4+PIR

### NETWORK THERMOS

TEC2601-4

TEC2601-4+PIR

TEC2602-4

TEC2602-4+PIR

#### **TEC2603-4**

TEC2603-4+PIR

TEC2604-4

TEC2604-4+PIR

### ZONING SYSTEM THE

#### **TEC2647Z-3**

TEC2647Z-3+PIR

#### **TEC2664Z-3**

## Appendix E Cont.

### CONTROLLERS

**10-point General Purpose Programmable Controller with 2 UI, 1 BI, 3 BO, and 4 CO**

10-point General Purpose Programmable Controller with 2 UI, 1 BI, 3 BO, and 4 CO, Extended Temperature Version

10-point General Purpose Programmable Controller with 2 UI, 1 BI, 3 BO, and 4 CO, Buy American

**10-point General Purpose Programmable Controller with 2 UI, 1 BI, 3 BO, and 4 CO, with integral LCD/keypad**

10-point General Purpose Programmable Controller with 2 UI, 1 BI, 3 BO, and 4 CO, with integral LCD/keypad, Buy American

**17-point General Purpose Programmable Controller with 6 UI, 2 BI, 3 BO, 2 AO, and 4 CO**

17-point General Purpose Programmable Controller with 6 UI, 2 BI, 3 BO, 2 AO, and 4 CO, Extended Temperature Version

17-point General Purpose Programmable Controller with 6 UI, 2 BI, 3 BO, 2 AO, and 4 CO, Buy American

**17-point General Purpose Programmable Controller with 6 UI, 2 BI, 3 BO, 2 AO, and 4 CO, with integral LCD/keypad**

17-point General Purpose Programmable Controller with 6 UI, 2 BI, 3 BO, 2 AO, and 4 CO, with integral LCD/keypad, Buy American

**17-Point Advanced Application Programmable Controller with 6 UI, 2 BI, 4 CO, 3 triac type BO, and 2 AO; 24 VAC, FC Bus; SA Bus; Integral Real-Time****18-Point Advanced Application Programmable Controller with 5 UI, 4 BI, 4 CO, 2 SPDT relay type BO, and 3 SPST relay type BO; 24 VAC, FC Bus; SA**

### CONTROLLERS

**5-point BACnet Programmable 32-bit VAV Box Controller with integrated actuator and digital pressure sensor, 3 UI and 2 BO****8-point BACnet Programmable VAV Box Controller with integrated actuator and digital pressure sensor, 3 UI, 3 BO, and 2 CO****8-point N2 Programmable VAV Box Controller with integrated actuator and digital pressure sensor, 3 UI, 3 BO, and 2 CO**

### MODULES

**4-point Expansion I/O Module: 4 BI**

4-point Expansion I/O Module: 4 BI, Buy American

**6-point Expansion I/O Module: 2 UI, 2 UO, 2 RO**

6-point Expansion I/O Module: 2 UI, 2 UO, 2 RO, Buy American

10-point Expansion I/O Module: 8 UI, 2 AO

**12-point Expansion I/O Module: 4 UI, 4 UO, 4 RO**

12-point Expansion I/O Module: 4 UI, 4 UO, 4 RO, Buy American

16-point Expansion I/O Module: 16 BI

16-point Expansion I/O Module: 8 BI, 8 BO

**17-point Expansion I/O Module: 6 UI, 2 BI, 3 BO, 2 AO, 4 CO**

17-point Expansion I/O Module: 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, Buy American

### S

**Local controller display for use with FX-PCG and FX-PCV**

Local controller display for use with FX-PCG and FX-PCV, Buy American

### TATS - N2 COMMUNICATION BUS

Single Stage 1H/1C

Single Stage 1H/1C - Occupancy Sensor

Heat Pump 3H/2C

Heat Pump 3H/2C - Occupancy Sensor

Multi Stage 2H/2C

Multi Stage 2H/2C - Occupancy sensor

Economizer Multi Stage 2H2C

Economizer Multi Stage 2H2C - Occupancy Sensor

### TATS - BACnet MS/TP COMMUNICATION BUS

Single Stage 1H/1C

Single Stage 1H/1C - Occupancy Sensor

Heat Pump 3H/2C

Heat Pump 3H/2C - Occupancy Sensor

**Multi Stage 2H/2C**

Multi Stage 2H/2C - Occupancy sensor

Economizer Multi Stage 2H2C

Economizer Multi Stage 2H2C - Occupancy Sensor

### RMOSTATS - BACnet MS/TP COMMUNICATION BUS

**ZONE CONTROLLER FOR; PROPORTIONAL ZONE DAMPER ON/OFF OR PROPORTIONAL REHEAT CONTROL**

ZONE CONTROLLER WITH; OCCUPANCY SENSOR FOR PROPORT ZONE DAMPER ON/OFF OR PROPORT REHEAT CONTROL

**ROOFTOP CONTROLLER FOR; CONTROL OF UP TO 2 STAGES OF HTG & 2 STAGES OF COOLING IN ROOF TOP**

## Appendix F

### Variable Speed Drives Series II

VS3D7210B-S0000	230	VSD II, 3/4Hp (0.75 kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS4D8210B-S0000	230	VSD II, 1Hp (1.1kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS6D6210B-S0000	230	VSD II, 1.5Hp (1.1kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS8D0210B-S0000	230	VSD II, 2Hp (1.5kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS011210B-S0000	230	VSD II, 3Hp (2.2kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS012210B-S0000	230	VSD II, 4Hp (3kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
<b>VS018210B-S0000</b>	<b>230</b>	<b>VSD II, 5Hp (4kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS024210B-S0000</b>	<b>230</b>	<b>VSD II, 7.5Hp (5.5kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS031210B-S0000</b>	<b>230</b>	<b>VSD II, 10Hp (7.5kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS048210B-S0000</b>	<b>230</b>	<b>VSD II, 15Hp (11kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS062210B-S0000</b>	<b>230</b>	<b>VSD II, 20Hp (15kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
VS075210B-S0000	230	VSD II, 25Hp (18.5kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS088210B-S0000	230	VSD II, 30Hp (22kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS105210B-S0000	230	VSD II, 40Hp (30kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS140210B-S0000	230	VSD II, 50Hp (37kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS170210B-S0000	230	VSD II, 60Hp (45kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS205210B-S0000	230	VSD II, 75Hp (55kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS261210B-S0000	230	VSD II, 100Hp (75kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS310210B-S0000	230	VSD II, 125Hp (95kW), 208-230Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS3D4410B-S0000	480	VSD II, 1.5Hp (1.1 kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS4D8410B-S0000	480	VSD II, 2Hp (1.5kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS5D6410B-S0000	480	VSD II, 3Hp (2.2kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS8D0410B-S0000	480	VSD II, 4Hp (3kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS9D6410B-S0000	480	VSD II, 5Hp (4kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
<b>VS012410B-S0000</b>	<b>480</b>	<b>VSD II, 7.5Hp (5.5kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS016410B-S0000</b>	<b>480</b>	<b>VSD II, 10Hp (7.5kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS023410B-S0000</b>	<b>480</b>	<b>VSD II, 15Hp (11kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
<b>VS031410B-S0000</b>	<b>480</b>	<b>VSD II, 20Hp (15kW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm</b>
VS038410B-S0000	480	VSD II, 25Hp (18.5KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS046410B-S0000	480	VSD II, 30Hp (22KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS061410B-S0000	480	VSD II, 40Hp (30KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS072410B-S0000	480	VSD II, 50Hp (37KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS087410B-S0000	480	VSD II, 60Hp (45KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS105410B-S0000	480	VSD II, 75Hp (55KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS140410B-S0000	480	VSD II, 100Hp (75KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS170410B-S0000	480	VSD II, 125Hp (90KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS205410B-S0000	480	VSD II, 150Hp (110KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS261410B-S0000	480	VSD II, 200Hp (132KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm
VS310410B-S0000	480	VSD II, 250Hp (160KW), 480Vac, Nema Type 1, SA Bus / BACnet / N2 Comm

Note: Replace S0000 with L0000 for LON Comm

Note: All models shown are open drives NEMA 1 enclosures without bypass or disconnect  
For models with bypass, disdconnects, and/or NEMA 12 enclosures, see JCI catalog

## Appendix G

### TEMPERATURE ELEMENTS - NICKEL 1K OHM

TE-6310F-0	Flush Mount 80x120mm / Metal
TE-631GM-1	Duct Probe 4" / Metal
<b>TE-631GV-2</b>	<b>Duct Probe 4" / Flange Mount</b>
<b>TE-6311M-1</b>	<b>Duct Probe 8" / Metal</b>
<b>TE-6313P-1</b>	<b>Outdoor Mount with Sun Shield / Plastic</b>
<b>TE-6314P-1</b>	<b>Wall Mount / Plastic / use TE-1800-9600 Wall Plate Adapter</b>
TE-6315M-1	Duct Probe Averaging 8ft / Metal
TE-6316M-1	Duct Probe Averaging 17ft / Metal
<b>TE-6316P-1</b>	<b>Duct Probe Averaging 17ft / Plastic</b>
TE-631S-1	Strap-on Mount
<b>TE-631AM-1</b>	<b>Well Immersion Mount 6" / Metal</b>

### TEMPERATURE ELEMENTS - THERMISTOR 10K OHM Type II

TE-6360F-0	Flush Mount 80x120mm / Metal
TE-636GM-1	Duct Probe 4" / Metal
TE-636GV-2	Duct Probe 4" / Flange Mount
<b>TE-6361M-1</b>	<b>Duct Probe 8" / Metal</b>
<b>TE-6363P-1</b>	<b>Outdoor Mount with Sun Shield / Plastic</b>
TE-636S-1	Strap-on Mount
TE-636AM-1	Well Immersion Mount 6" / Metal

### WELLS

<b>TE-6300W-101</b>	<b>Well for 6" well immersion temperature element / Brass</b>
TE-6300W-102	Well for 6" well immersion temperature element / Stainless Steel

### HUMIDITY ELEMENTS - WITH TEMPERATURE ELEMENT - NICKEL 1K OHM

HE-67N2-0N0BT	Wall Mount / Plastic / 2% Accuracy / use TE-1800-9600 Wall Plate Adapter as needed
HE-67N2-0N00P	Duct Probe 6.25" / Plastic / 2% Accuracy
<b>HE-67N3-0N0BT</b>	<b>Wall Mount / Plastic / 3% Accuracy / use TE-1800-9600 Wall Plate Adapter as needed</b>
<b>HE-67N3-0N00P</b>	<b>Duct Probe 6.25" / Plastic / 3% Accuracy</b>

### CARBON DIOXIDE ELEMENTS (CO2)

CD-P00-00-0	Duct Mount 5" / Plastic / Range 0 to 2000PPM / Output 0 to 10VDC Default
CD-WA0-00-0	Wall Mount / Plastic / Range 0 to 2000PPM / Output 0 to 10VDC Default / Analog Temperature Output 0 to 10VDC (32 to 122 Deg F)
CD-WRD-00-0	Wall Mount / Plastic / Range 0 to 2000PPM / Output 0 to 10VDC Default / LCD Display / SPST Relay (30V .5A Class 2)

### CURRENT DEVICES

CSD-SF0C0-1	Solid Core / Fixed Threshold / Low Setpt 0.25A
CSD-SA1E0-1	Solid Core / Adj. Threshold / Low Setpt 1A / LED
CSD-SA1E1-1	Solid Core / Adj. Threshold / Low Setpt 1A / LED / SPST 24V N.O. Relay
CSD-CF0A0-1	Split Core / Fixed Threshold / Low Setpt 0.15A
CSD-CA1G0-1	Split Core / Adj. Threshold / Low Setpt 1.25A / LED
CTD-C3H00-1	Split Core / Multi Range 20-100-150A / 0-10VDC Output / Order Snap-On Relay CR-02400-01 Optional

### FREEZE PROTECTION

<b>A70GA-1C</b>	<b>Two Circuit Control / 20ft sensor / 5Deg F Differential</b>
<b>A70GA-2C</b>	<b>Two Circuit Control / 6in sensor / 3 to 30 Deg F Differential / Use WEL14A-602R immersion well as needed</b>
<b>A70HA-1C</b>	<b>Two Circuit Control / 20ft sensor / Manual Reset</b>
<b>A70HA-2C</b>	<b>Two Circuit Control / 6in sensor / Manual Reset / Use WEL14A-602R immersion well as needed</b>

### PRESSURE SWITCH - DIFFERENTIAL PRESSURE

<b>P32AC-2C</b>	<b>SPDT / 0.15 to 12 inWC / Adjustable Setpt / Mounting Bracket Included BKT229-1R</b>
<b>P32AF-2C</b>	<b>SPDT / 0.05 to 5 inWC / Adjustable Setpt / Mounting Bracket Included BKT229-1R</b>
<b>P74EA-8C</b>	<b>SPDT / 2 to 26 PSI Adjustable / 3.5 Fixed Diff / 36 in. Cap. With 1/4 in. Flare Nut</b>
<b>P74FA-1C</b>	<b>SPDT / 8 to 60 PSI Adjustable / 1.5 Fixed Diff / 1/4 in. Male Flare</b>
<b>P74FA-5C</b>	<b>SPDT / 8 to 60 PSI Adjustable / 1.5 Fixed Diff / 1/4 in. FNPT</b>

### PRESSURE SENSOR - DIFFERENTIAL PRESSURE

PWLX04S #	Multi Range 10/20/50/100 PSI - 5V/10V OUTPUT
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### PRESSURE ELEMENTS

P499VAP-101K	1/8 in. 27 NPT External Thread / 0 to 100 PSI Range / 0 to 10 VDC Output / 6-1/2 ft (2 m) wire harness
P499VCP-101K	1/4 in. SAE 45° Flare Internal Thread / 0 to 100 PSI Range / 0 to 10 VDC Output / 6-1/2 ft (2 m) wire harness
P499RAPS100K	1/8 in. 27 NPT External Thread / -10 to 100 PSI Range / .5 to 4.5 VDC Output / 6-1/2 ft (2 m) wire harness
P499RCPs100K	1/4 in. SAE 45° Flare Internal Thread / -10 to 100 PSI Range / .5 to 4.5 VDC Output / 6-1/2 ft (2 m) wire harness
<b>PXPLX01S #</b>	<b>Multi Range / Multi Output / LED Display / Panel Mount</b>
<b>PXDLX02S #</b>	<b>Multi Range / Multi Output / LED Display / Duct Mount 8in Probe</b>

# Non JCI Item

### EP (ELECTRIC to PNEUMATIC) DEVICES

<b>EP3031S2 #</b>	<b>Multi Range / Multi Output / LED Display / 0-25PSI Control Range / Manual Mode / Panel Mount</b>
<b>V11HGA-100</b>	<b>24V / ON-OFF / 1/4 in. Barb Connections in Common Port and Normally Closed Port; Normally Open Port is 1/8 in. NPT (Internal)</b>

# Non JCI Item