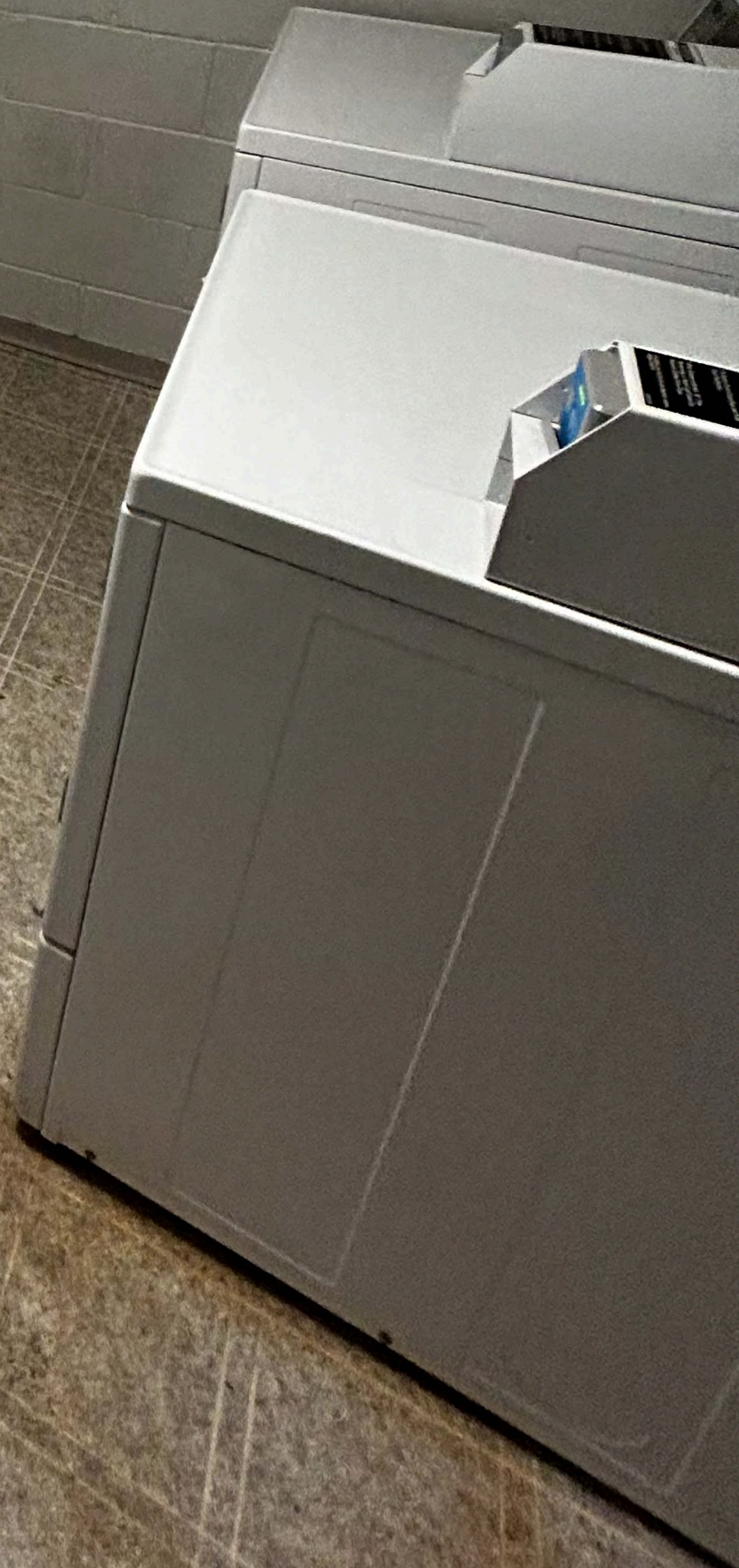
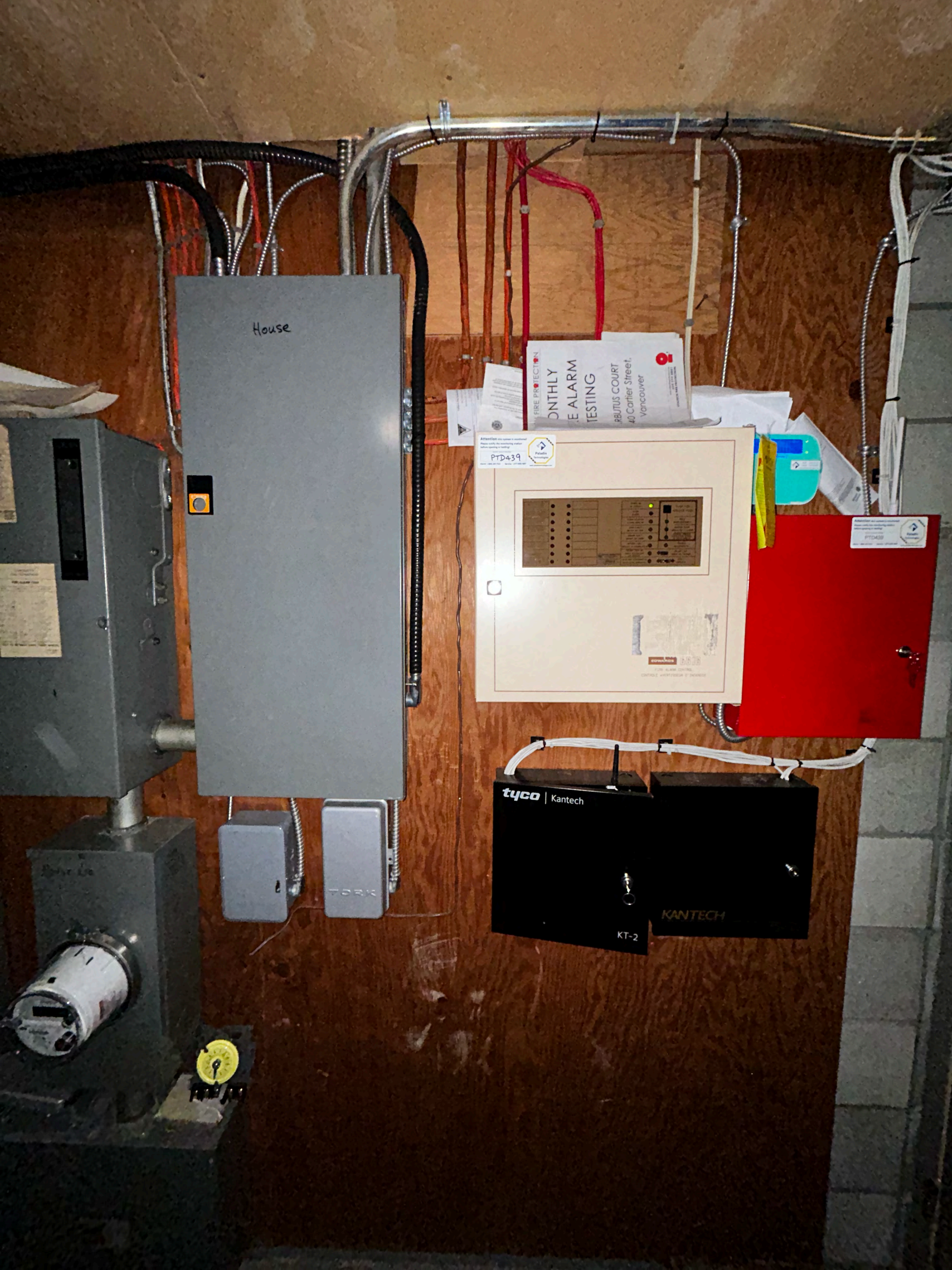




PLEASE DO NOT
SMOKE OR DRINK
ALCOHOL

LAUNDRY INSTRUCTIONS





House

FIRE PROTECTION
MONTHLY
FIRE ALARM
TESTING
REBUTUS COURT
40 Carlier Street,
Vancouver

Attention: this system is monitored.
Please verify the monitoring number
before opening or testing.
PTD439

1	2	3	4	5	6	7	8	9	10	11	12
13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120

tyco
FIRE ALARM CONTROL
CONTROL, MONITORING & SERVICE

PTD439

tyco | Kantech
KT-2

KANTECH

TK

TORK

FR/JR





DOMESTIC HOT WATER

DOMESTIC COLD WATER

COLD WATER

DOMESTIC COLD WATER

HEATING WATER SUPPLY

HEATING WATER RETURN

METALPRES

Expansion Tank



IBC

IBS ENERGY SYSTEMS LTD.
Tel: 004 540 2733
Tag No. 2

IBC

IBS ENERGY SYSTEMS LTD.
Tel: 004 540 2733
Tag No. 2

NATURAL GAS

HEATING WATER RETURN

HEATING WATER RETURN

HEATING WATER RETURN

HEATING WATER RETURN



Wiring Schedule

Panel	Terminal	Device	Notes
AD 1	1	120V AC	
AD 2	2	120V AC	
AD 3	3	120V AC	
AD 4	4	120V AC	
AD 5	5	120V AC	
AD 6	6	120V AC	
AD 7	7	120V AC	
AD 8	8	120V AC	
AD 9	9	120V AC	
AD 10	10	120V AC	
AD 11	11	120V AC	
AD 12	12	120V AC	
AD 13	13	120V AC	
AD 14	14	120V AC	
AD 15	15	120V AC	
AD 16	16	120V AC	
AD 17	17	120V AC	
AD 18	18	120V AC	
AD 19	19	120V AC	
AD 20	20	120V AC	
AD 21	21	120V AC	
AD 22	22	120V AC	
AD 23	23	120V AC	
AD 24	24	120V AC	
AD 25	25	120V AC	
AD 26	26	120V AC	
AD 27	27	120V AC	
AD 28	28	120V AC	
AD 29	29	120V AC	
AD 30	30	120V AC	
AD 31	31	120V AC	
AD 32	32	120V AC	
AD 33	33	120V AC	
AD 34	34	120V AC	
AD 35	35	120V AC	
AD 36	36	120V AC	
AD 37	37	120V AC	
AD 38	38	120V AC	
AD 39	39	120V AC	
AD 40	40	120V AC	
AD 41	41	120V AC	
AD 42	42	120V AC	
AD 43	43	120V AC	
AD 44	44	120V AC	
AD 45	45	120V AC	
AD 46	46	120V AC	
AD 47	47	120V AC	
AD 48	48	120V AC	
AD 49	49	120V AC	
AD 50	50	120V AC	
AD 51	51	120V AC	
AD 52	52	120V AC	
AD 53	53	120V AC	
AD 54	54	120V AC	
AD 55	55	120V AC	
AD 56	56	120V AC	
AD 57	57	120V AC	
AD 58	58	120V AC	
AD 59	59	120V AC	
AD 60	60	120V AC	
AD 61	61	120V AC	
AD 62	62	120V AC	
AD 63	63	120V AC	
AD 64	64	120V AC	
AD 65	65	120V AC	
AD 66	66	120V AC	
AD 67	67	120V AC	
AD 68	68	120V AC	
AD 69	69	120V AC	
AD 70	70	120V AC	
AD 71	71	120V AC	
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AD 73	73	120V AC	
AD 74	74	120V AC	
AD 75	75	120V AC	
AD 76	76	120V AC	
AD 77	77	120V AC	
AD 78	78	120V AC	
AD 79	79	120V AC	
AD 80	80	120V AC	
AD 81	81	120V AC	
AD 82	82	120V AC	
AD 83	83	120V AC	
AD 84	84	120V AC	
AD 85	85	120V AC	
AD 86	86	120V AC	
AD 87	87	120V AC	
AD 88	88	120V AC	
AD 89	89	120V AC	
AD 90	90	120V AC	
AD 91	91	120V AC	
AD 92	92	120V AC	
AD 93	93	120V AC	
AD 94	94	120V AC	
AD 95	95	120V AC	
AD 96	96	120V AC	
AD 97	97	120V AC	
AD 98	98	120V AC	
AD 99	99	120V AC	
AD 100	100	120V AC	

The interior of the electrical panel is organized into several horizontal sections. At the top, there are several terminal blocks with wires connected to them. Below these, a VYRON surge protector is mounted on the left side, with several wires connected to its terminals. To the right of the surge protector is a multi-terminal block. The middle section contains two large terminal blocks with numerous wires connected to them. A blue Ethernet cable is plugged into one of the ports on the right side of this section. The bottom section features a large terminal block with many wires connected to it. A white document is placed in front of the bottom section, partially obscuring the terminal block. The panel is mounted on a wall, and the door is open to the left.

City of VANCOUVER

Electrical Panel Inspection Report

Panel No: AD 100

Inspector: [Name]

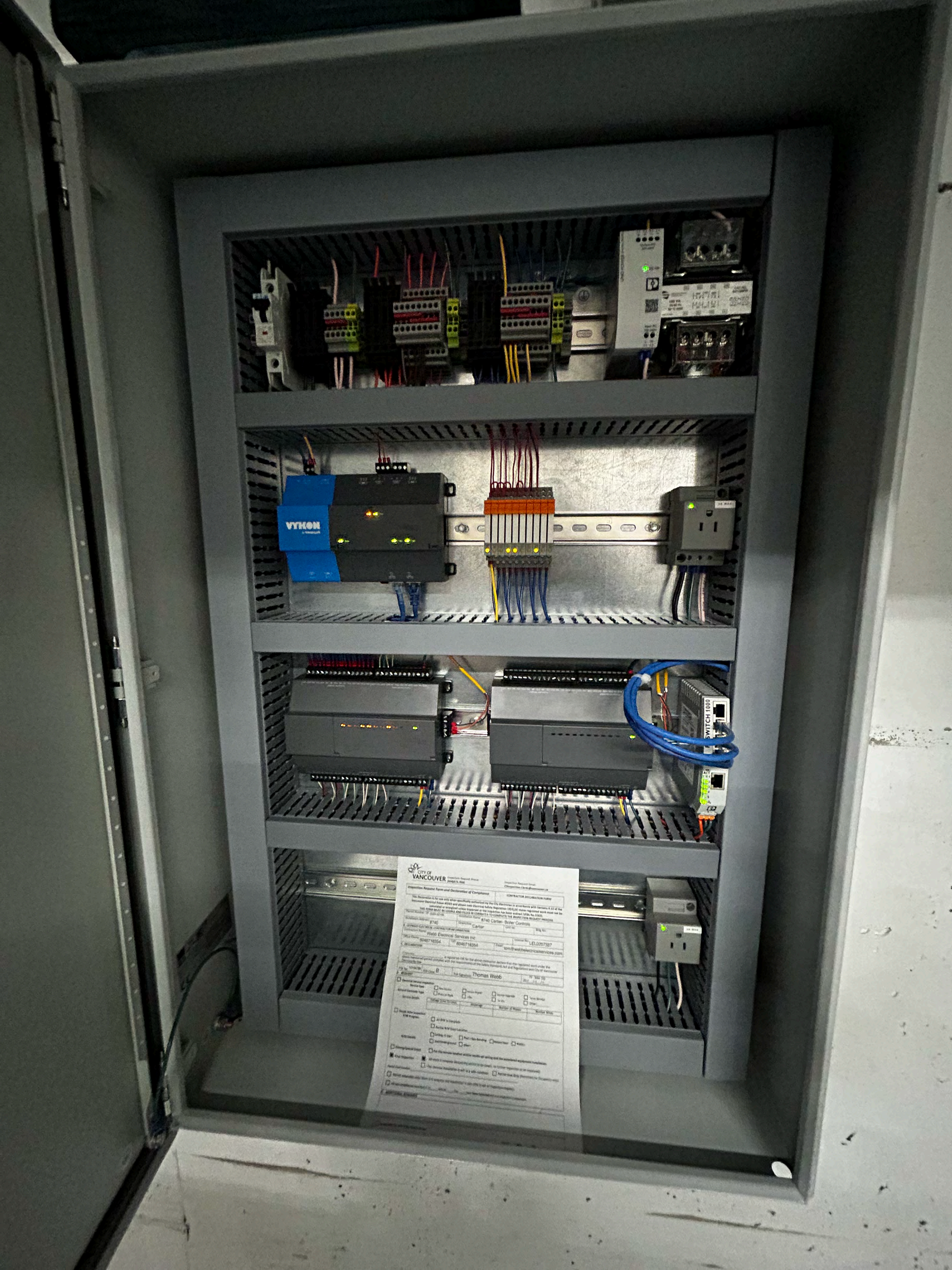
Date: [Date]

Location: [Address]

Notes: [Handwritten notes]

Checklist:

- Panel Labeling:
- Wiring Diagram:
- Grounding:
- Overcurrent Protection:
- Panel Enclosure:
- Panel Access:
- Panel Location:
- Panel Condition:
- Panel Components:
- Panel Safety:
- Panel Security:
- Panel Maintenance:
- Panel Documentation:
- Panel Inspection:
- Panel Approval:



Top section of the cabinet containing terminal blocks and wiring. On the right, there is a white control module with a green indicator light and a terminal block with several wires connected to it.

Middle section featuring a blue VYKON controller unit on the left with two yellow indicator lights. To its right is a multi-pin connector with several colored wires (red, blue, yellow) plugged into it. Further right is a grey electrical component with a green light.

Lower middle section containing two grey electronic modules. The one on the right has a blue Ethernet cable plugged into it, with the label "SWITCH 1000" visible. Various other wires are connected to the bottom of these units.

CITY OF VANCOUVER Inspection Report Form
 Inspection Request Form
 (Contractor Application Form)

This document is for use only when specifically authorized by the City Administrator in accordance with Section 6.12 of the Vancouver Charter and shall be used only when the contractor is authorized to perform work under the City of Vancouver's contract.

Contractor Information:
 Name: Webb Electrical Services Inc.
 Address: 8740 Carter Road, Burnaby, BC V5A 1K6
 Phone: 604-718-5544 Fax: 604-718-5544 Email: tom@webbelectricservices.com

Project Information:
 Project Name: Thomas Webb
 Project Address: 11111 1st Ave, Burnaby, BC

Contractor Declaration:
 I, the undersigned, being duly qualified, hereby certify that I am the contractor for the above project and that I am authorized to perform the work under the City of Vancouver's contract.

Contractor Signature: Thomas Webb Date: 11/11/11

City of Vancouver Information:
 City of Vancouver, 1111 Burrard Street, Vancouver, BC V6Z 1G6
 Phone: 604-681-3111 Fax: 604-681-3112

HOUSE PANEL CCT 35

PIB CONTROLS INC.
 475 PUL-2022-0011-005
 Model: MOD-0818-005

Supply Voltage: 120VAC	F101 - 120VAC, 1A	F105 - 120VAC, 0.5A	F109 - 120VAC, 1A
Supply Amperage: 15A	F102 - 120VAC, 1A	F106 - 120VAC, 0.5A	F110 - 120VAC, 1A
Control Voltage: 120VAC	F103 - 120VAC, 1A	F107 - 120VAC, 0.5A	F111 - 120VAC, 1A
Control Amperage: 35A	F104 - 120VAC, 2A	F108 - 120VAC, 0.5A	F112 - 120VAC, 1A

Hi N/AH
 CAUTION: REPLACE FUSE WITH SAME TYPE AND RATING

IO	1355 West 14th Avenue Wire T	1355 West 14th Avenue Wire T
UI 1	OAT	Outside Temperature
UI 2	BLD-SWT	BLD Supply Temperature
UI 3	BLD-RWT	BLD Return Water Temperature
UI 4	HTG-SWT	HTG Return Water Temperature
UI 5	HTG-RWT	HTG Supply Temperature
UI 6	BLR1-HTG-PMP-AMPS	Boiler 1 Return Temperature
UI 7	BLR1-DHW-PMP-AMPS	Boiler 1 DHW Pump Amperage
UI 8	BLR2-HTG-PMP-AMPS	Boiler 2 DHW Pump Amperage
UI 9	BLR2-DHW-PMP-AMPS	Boiler 2 HTG Pump Amperage
UI 10	BLD-PMP1-AMPS	BLD Pump 1 Amperage
UI 11	BLD-PMP2-AMPS	BLD Pump 2 Amperage
UI 12	BLD-VLV-18	BLD Valve Feedback
UI 13		
UI 14		
UI 15		
UI 16		
DO 1	BLR1-HTG-PMP-EN	Boiler 1 HTG Pump Enable
DO 2	BLR1-DHW-PMP-EN	Boiler 1 DHW Pump Enable
DO 3	BLR2-HTG-PMP-EN	Boiler 2 HTG Pump Enable
DO 4	BLR2-DHW-PMP-EN	Boiler 2 DHW Pump Enable
DO 5	BLD-PMP1-EN	BLD Pump 1 Enable
DO 6	BLD-PMP2-EN	BLD Pump 2 Enable
DO 7	BLR1-EN	Boiler 1 Enable
DO 8	BLR2-EN	Boiler 2 Enable
DO 9		
DO 10		
AO 1	BLR1-MOD	Boiler 1 Modulation
AO 2	BLR2-MOD	Boiler 2 Modulation
AO 3	BLD-VLV-MOD	BLD Valve Modulation
AO 4		
AO 5		
AO 6		
AO 7		
AO 8		
IO	1355 West 14th Avenue Wire T	1355 West 14th Avenue Wire T
UI 1	DHW-RPMP-A	DHW Recirculation Pump Amperage
UI 2	DHW-BLD-SWT	DHW Building Supply Temperature
UI 3	DHW-BLD-RWT	DHW Building Return Temperature
UI 4	DHW-YARD	DHW Yard Temperature
UI 5	DHW-TMG-T	DHW Tower Supply Temperature
UI 6	DHW-BLR-SWT	DHW Boiler Return Temperature
UI 7	DHW-BLR-RWT	Boiler 1 Return
UI 8	BLR1-AL	Boiler 1 Alarm
UI 9	BLR2-AL	Boiler 2 Alarm
UI 10		
UI 11		
UI 12		

Handwritten notes on the right side of the IO table, including:

- UI 10: 200V connection to WEGEVE
- UI 11: 200V connection to WEGEVE
- UI 12: 200V connection to WEGEVE
- DO 1-4: 200V connection to WEGEVE
- DO 5-6: 200V connection to WEGEVE
- DO 7-8: 200V connection to WEGEVE
- AO 1-3: 200V connection to WEGEVE
- UI 1-4: 200V connection to WEGEVE
- UI 5-8: 200V connection to WEGEVE

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Specifications may change without notice. Tel: 1-800-444-2222, Toll-Free: 1-888-232-1382, www.kantech.com

KT-2-M
Two-Door Controller

Battery Capacity for loss of primary power at least _____ hours (minutes).

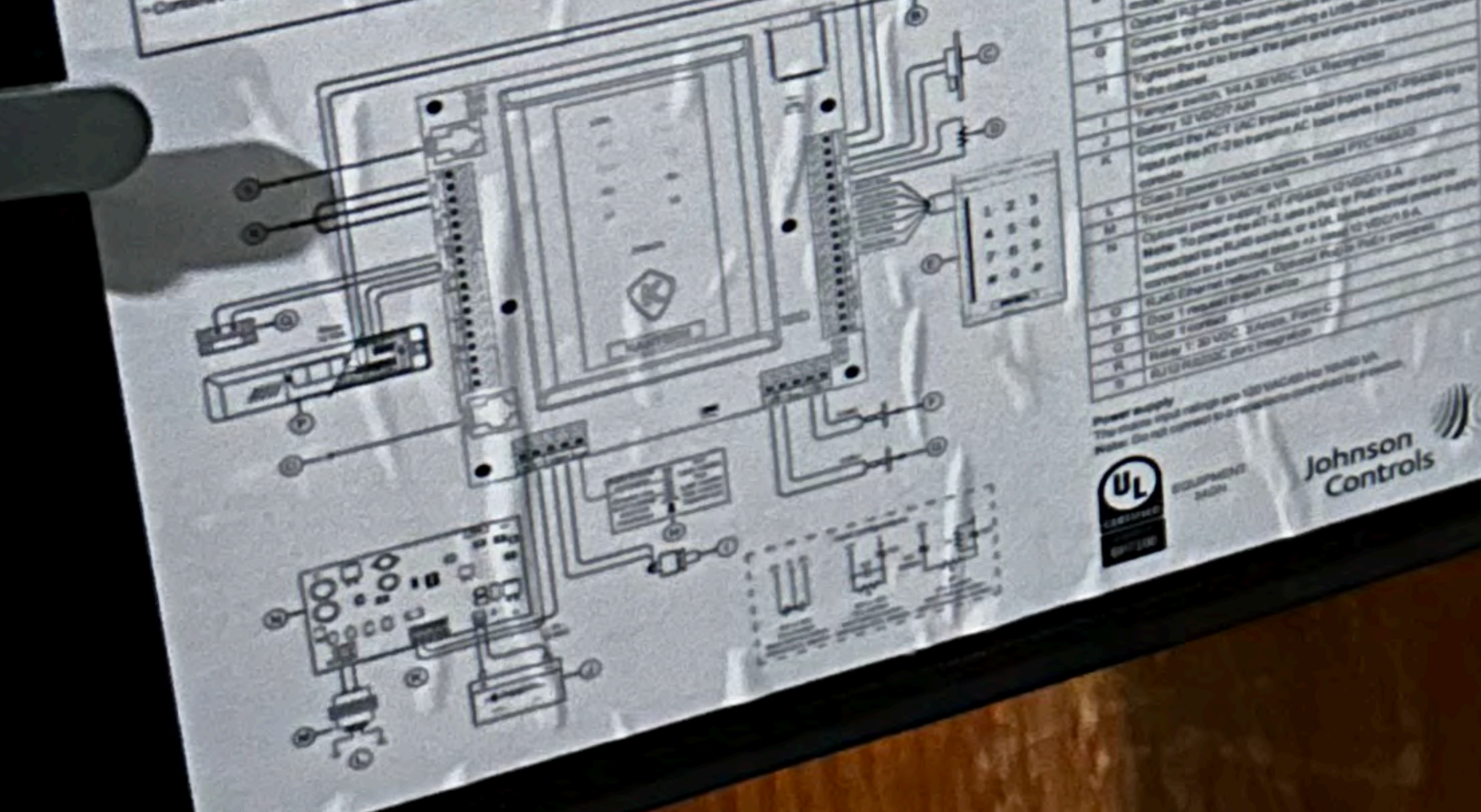
Controller name: _____
Serial number: _____

MAC Address: _____

Action	Color	Description	Pattern	Action	Color	Description	Pattern
Standby	Blue	Standby		Fail safe	Yellow	Communication Start Pulse	
Communication Multi-state Gate	Blue	2 Short Pulse		Factory default DNCP	Yellow	Communication Long Pulse	
Normal Gateway	Blue	1 Short Pulse		Factory default status	Yellow	2 Short Pulse	
Relocking	Blue	2 Pulse 1 sec @ 50% duty cycle		Hard reset	Red	4 Short Pulse	
Card read or swipe	Green	Single 0.5 sec burst, normally pre-alarmed flash		Enable to receive DNS	Red	2 Long Pulse	
Battery low voltage	Green	2 Pulse 1 sec @ 50% duty cycle		DNCP server failed	Red	4 Long Pulse	
Power on	White	1 Long Pulse (every 2 sec)		Overcurrent alarm	Pink	25 Sec Pulse	

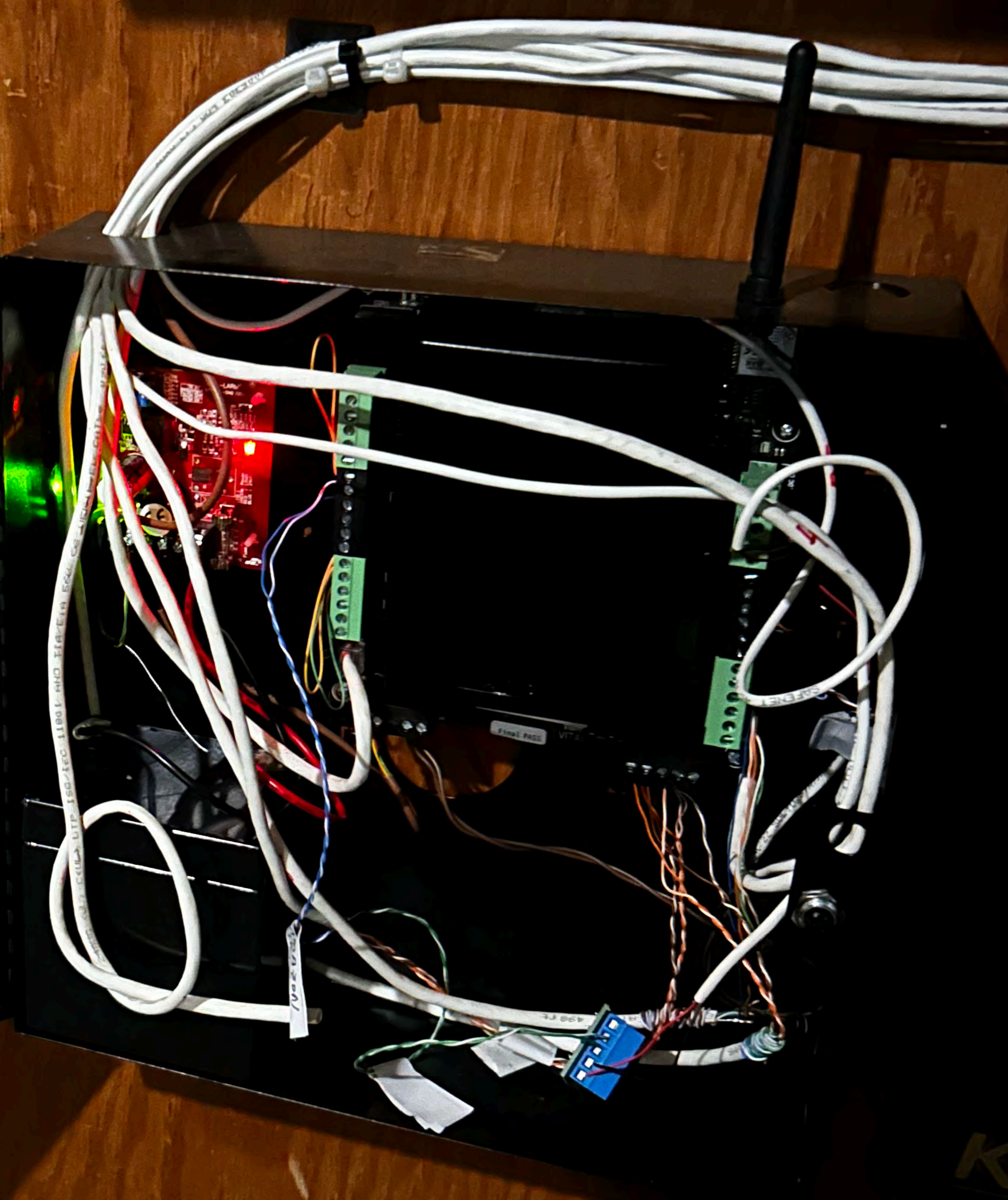
IMPORTANT:
- THE CONNECTION TO THE MAIN SUPPLY MUST BE MADE AS PER THE LOCAL AUTHORITY'S RULES AND REGULATIONS. IF DURING THE INSTALLATION A PROBLEM IS ENCOUNTERED, IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT THIS SAME DEGREE OF PROTECTION FOR THE CABINET IS PROVIDED BY THE USER OF EQUIPMENT. SEE PAGE 8 TO 10.
- THE EQUIPMENT IS PROVIDED AS A GENERAL GUIDE ONLY. THE USER MUST REFER TO THE LOCAL AUTHORITY'S RULES AND REGULATIONS FOR THE SPECIFIC REQUIREMENTS OF THE LOCAL AUTHORITY.
- THE EQUIPMENT IS PROVIDED AS A GENERAL GUIDE ONLY. THE USER MUST REFER TO THE LOCAL AUTHORITY'S RULES AND REGULATIONS FOR THE SPECIFIC REQUIREMENTS OF THE LOCAL AUTHORITY.

INTERNAL WIRING:
- Connections to the main supply and power must be made as per the local authority's rules and regulations.
- Connections to the main supply and power must be made as per the local authority's rules and regulations.
- Connections to the main supply and power must be made as per the local authority's rules and regulations.



Power supply: _____
Communication: _____
Door control: _____

UL
Johnson Controls



tyco | Kantech

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Specifications may change without notice. Tel.: 1 (416) 444-2030. Toll Free: 1-888-222-1960. www.kantech.com



KT-2-M
Two-Door Controller

Battery Capacity for loss of primary power at least _____ hours (minutes).
MAC Address: _____

Controller name: _____
Serial number: _____

Action	Color	Description	Pattern	Action	Color	Description	Pattern
Booting up	Blue	Steady	[Steady Blue]	Factory default DHCP	Yellow	Continuous Short Pulse	[Pulsing Yellow]
Corporate / Multi-site Gateway	Blue	1 Short Pulse	[1 Pulse Blue]	Forced default static	Yellow	Continuous Long Pulse	[Pulsing Yellow]
Global Gateway	Blue	1 Short Pulse	[1 Pulse Blue]	Hard reset	Red	4 Short Pulses	[4 Pulses Red]
Rebooting	Blue	10 Pulses / sec @ 50% duty cycle	[10 Pulses Blue]	Unable to resolve DNS	Red	2 Long Pulses	[2 Long Pulses Red]
Card read or swipe	Green	Single 0.5 sec burst, resume previous flash	[0.5 sec Burst Green]	DHCP server failed	Red	4 Long Pulses	[4 Long Pulses Red]
Receive broadcast	Green	Single 2.5 sec burst	[2.5 sec Burst Green]	Enrollment acknowledge	Pink	2.5 Sec. Burst	[2.5 Sec Burst Pink]
Firmware update	Green	2 Pulses / sec @ 50% duty cycle	[2 Pulses Green]				
During enrollment	White	1 Long Pulse (every 2 sec)	[1 Long Pulse White]				

IMPORTANT:
- THE CONNECTION TO THE MAIN SUPPLY MUST BE MADE AS PER THE LOCAL AUTHORITIES' RULES AND REGULATIONS. IF DURING THE INSTALLATION A KNOCKOUT IS REMOVED, IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT THE SAME DEGREE OF PROTECTION FOR THE CABINET IS PROVIDED BY THE USE OF BUSHINGS, FITTINGS, ETC.
- The equipment is FIXED and PERMANENTLY CONNECTED and is designed to be installed by Service Personnel only. (Service person is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which persons may be exposed in performing a task and of measures to minimize the risks to that person or other persons.) The equipment is installed in a metallic cabinet that meets the applicable requirements for a FIRE ENCLOSURE. When the KT-2-M is powered using the KT-PS4000 power supply, which is connected to a UL1000, Listed 40 VA Transformer, it shall be connected to the mains by a LICENSED ELECTRICIAN in accordance with the applicable rules of the National Electrical Code or Canadian Electrical Code (regarding the type of connection).

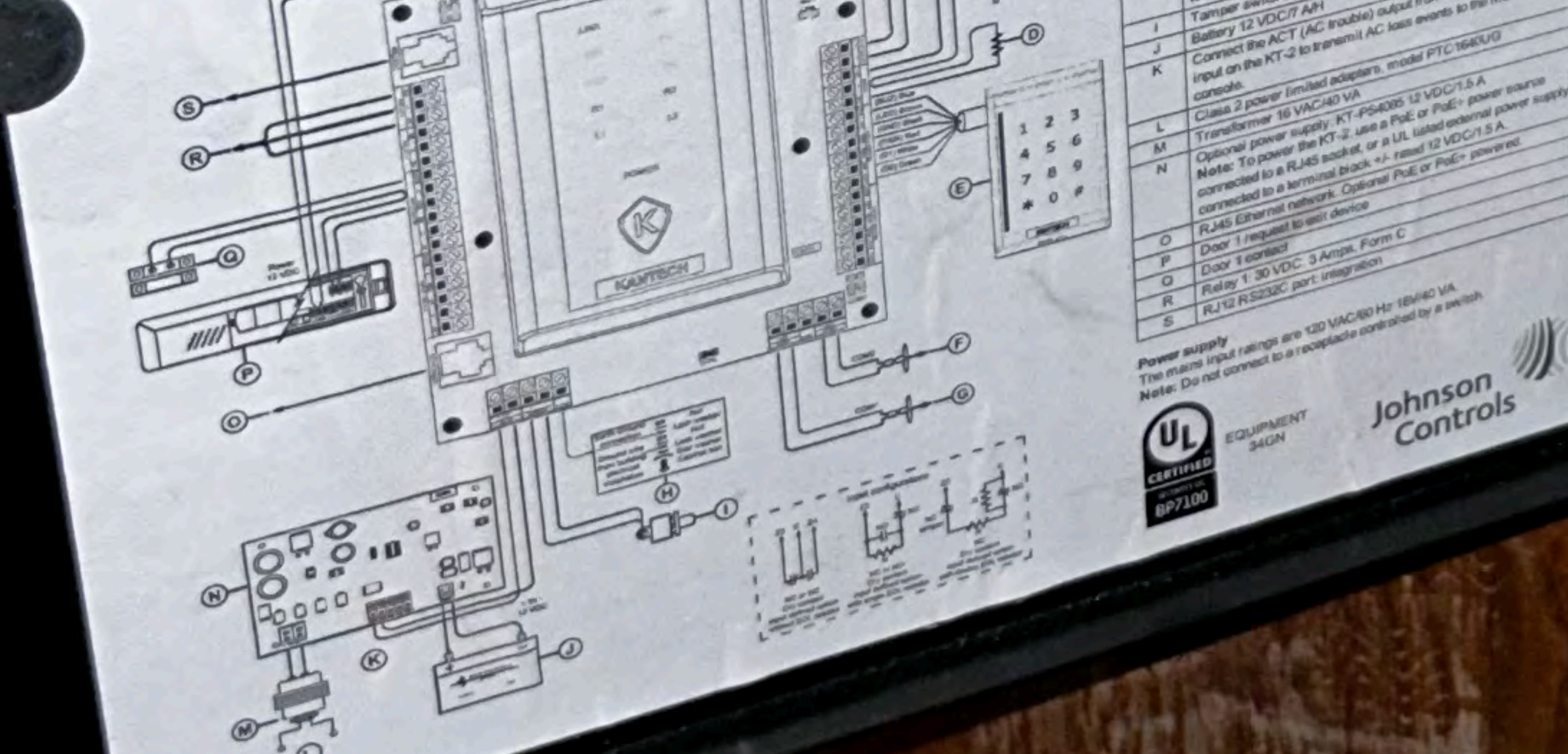
Installation notes:
- Up to 32 controllers over RS-485 (COM1)
- Up to 31 subordinate controllers and one as master controller over IP for a total of 32
- Ethernet cable category 5E or better
- Unshielded, 4 conductor, up to 1000 ft (4000 ft) from the KT-2-M to the last controller

KT-2-M Two-Door Controller
Proprietary burglar alarm system. Access control system.
Proprietary Standalone/Optional Line Security.
Finger Rating: 10 (NICE-100) (Line KT-PS4000, PUL/PAC-1000)
Line Class 2 Power Limited Adapter.
Installation Guide: D3001000202. Downloaded from www.kantech.com

INTERNAL WIRING shall be routed in a manner that prevents the mains by a LICENSED ELECTRICIAN in accordance with the applicable rules of the National Electrical Code or Canadian Electrical Code (regarding the type of connection).

NOTES: The KT-2-M has been tested with the PUL/PAC-1000 models. Other compatible PUL/PAC-1000 models may be used. These devices shall be used in conjunction with UL listed transient protectors. Other compatible PUL/PAC-1000 models may be used.

UL LISTED EQUIPMENT
EQUIPMENT CLASS
987110



Johnson Controls

