



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT**

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0154

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Mircom Group of Companies Manufacturer's Technical

Representative: Mara Cherubin

Mailing Address: 25 Interchange Way, Vaughan, ON L4K5W3 Canada

Telephone: (905) 660-4655

Email: mcherubin@mircom.com

Product Information

Product Name: Fire Alarm Control Panels

Product Model Number(s): See attached

Product Category: Electrical Control Panels on Life Safety/Critical Branch

Product Sub-Category: Fire Alarm & Security Panels

General Description: Fire Alarm Control Panels with varying enclosures and modules.

Mounting Description: Wall Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: DCL Labs, LLC

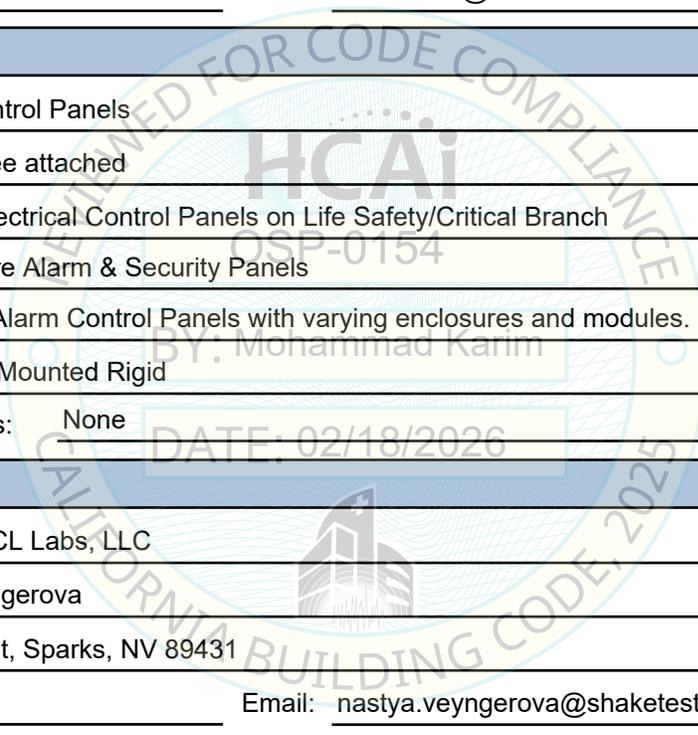
Contact Person: Nastya Veyngerova

Mailing Address: 1315 Greg St, Sparks, NV 89431

Telephone: (775) 358-5085

Email: nastya.veyngerova@shaketest.com

Title: Seismic Test Engineer





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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: THE VMC GROUP

Name: Kenneth Tarlow California License Number: S2851

Mailing Address: 980 9th Street, 16th Floor, Sacramento, CA 95814

Telephone: (832) 627-2214 Email: ken.tarlow@thevmcgroup.com

Certification Method

- GR-63-Core
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

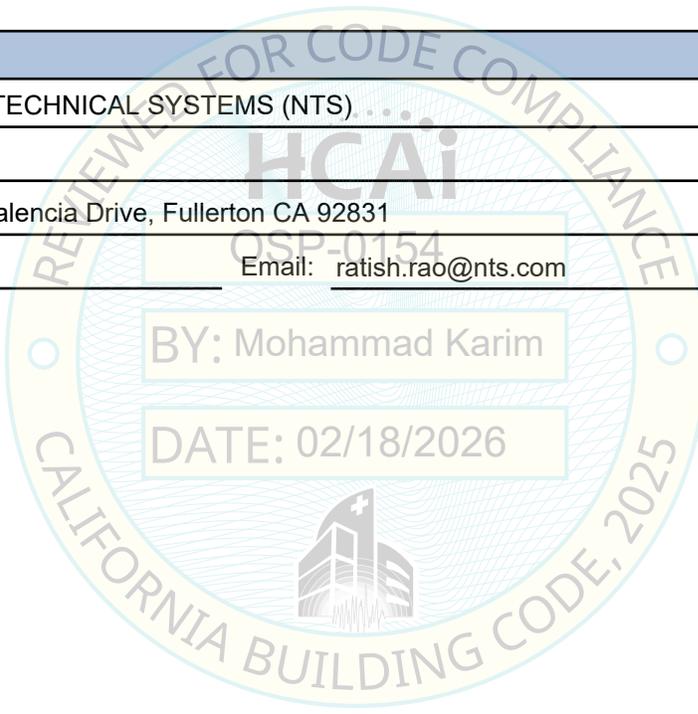
Testing Laboratory

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Ratish Rao

Mailing Address: 1536 East Valencia Drive, Fullerton CA 92831

Telephone: (714) 879-6110 Email: ratish.rao@nts.com





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal (A Flx-H), $g = \underline{3.94}$ (A Rig-H), $g = \underline{2.65}$
 Vertical (A Flx-V), $g = \underline{1.64}$ (A Rig-V), $g = \underline{0.66}$

SDS (Design spectral response acceleration at short period, g) = 2.46

H_f (Force amplification height factor) = 3.5 at z/h=1.0; 1.0 at z/h=0

R_u (Structure ductility reduction factor) = 1.3 at z/h=1.0; 1.0 at z/h=0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

HCAI Approval (For Office Use Only) - Approval Expires on 02/18/2032

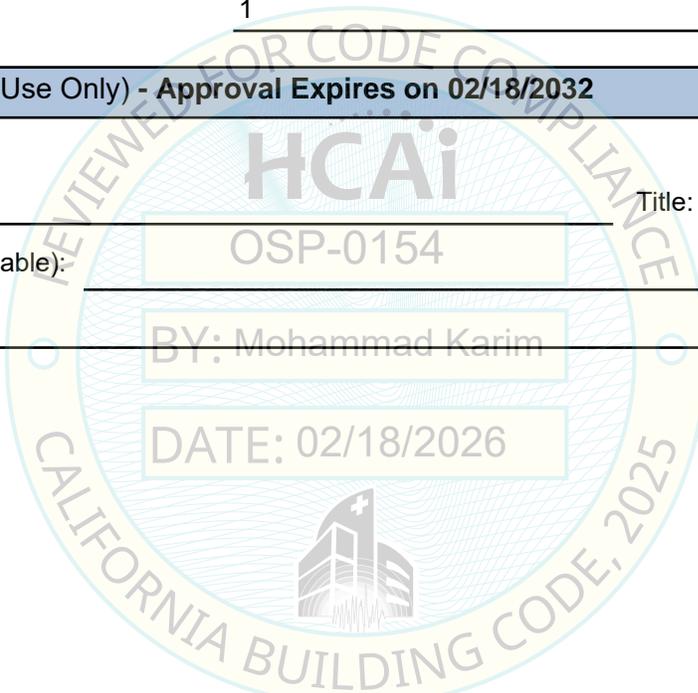
Date: 2/18/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0154

BY: Mohammad Karim

DATE: 02/18/2026



Special Seismic Certification
Table 1 - Certified Components



DCL Project Number: 03479-2601

Manufacturer: Mircom

Product Line: Fire Alarm Control Panels

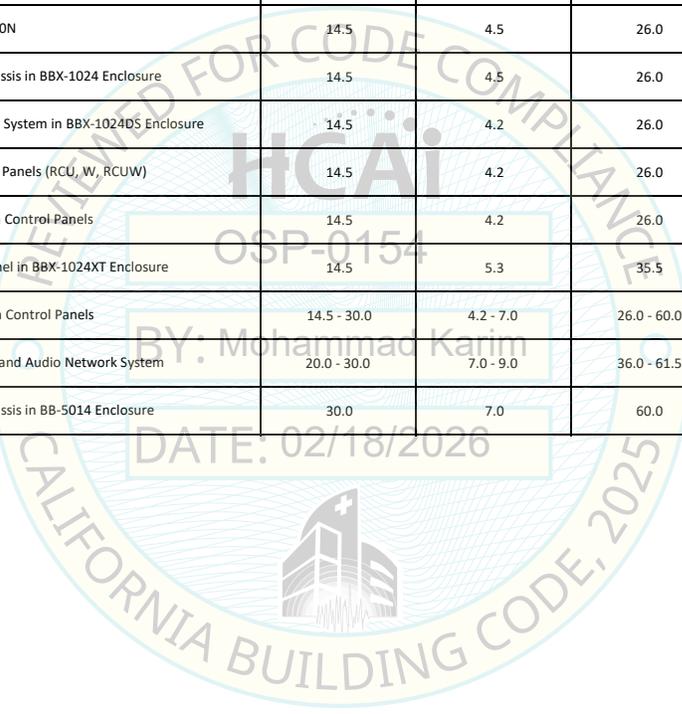
Certified Product Construction: 16 GA Cold Rolled Steel, NEMA 1 and NEMA 3R

Mounting: Rigid Wall Mount

Certified Seismic Levels: Sds=2.46g with z/h=1.0 and z/h=0.0

Factors for Force Amplification and Structure Ductility Reduction: $H_f = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_d = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Model Number	Max. Dimensions [in.]			Max. Weight [lb.]	Unit
	Width	Depth	Height		
QBB-5001	24.3	8.0	41.0	20	Extrapolated
MR-400	14.5	4.2	21.0	42	Extrapolated
FX-400	14.5	4.2	21.0	42	Extrapolated
MR-401	14.5	4.2	26.0	50	Extrapolated
FX-401	14.5	4.2	26.0	50	Extrapolated
FX-240N	14.5	4.5	26.0	50	Extrapolated
FX-2003-6 Compact Main Chassis in BBX-1024 Enclosure	14.5	4.5	26.0	52	UUT-3
QX-MINI Emergency Communication System in BBX-1024DS Enclosure	14.5	4.2	26.0	52	UUT-2
FX-3500 Fire Alarm Control Panels (RCU, W, RCUW)	14.5	4.2	26.0	60	Interpolated
FlexNet Fire Alarm Control Panels	14.5	4.2	26.0	60	Interpolated
FX-2000 Fire Alarm Control Panel in BBX-1024XT Enclosure	14.5	5.3	35.5	73	UUT-1
FX-2000 Fire Alarm Control Panels	14.5 - 30.0	4.2 - 7.0	26.0 - 60.0	85	Interpolated
FlexNet Intelligent Fire Alarm and Audio Network System	20.0 - 30.0	7.0 - 9.0	36.0 - 61.5	200	Interpolated
FX-2009S-12 Large Main Chassis in BB-5014 Enclosure	30.0	7.0	60.0	234	UUT-4



Special Seismic Certification
Table 2 - Certified Subcomponents



DCL Project Number: 03479-2601

Product Line: Fire Alarm Control Panels

Subcomponent Type	Manufacturer	Model Number	Description	Material	Weight [lb.]	Unit
Main Control Unit	Mircom	FX-2000MNS	Main Network Board	Galvanized Steel	9	Extrapolated
		FX-2003-6DS-16LED	Compact Main Control Unit		15	Extrapolated
		FX-2003-6DS	Compact Main Control Unit		15	Extrapolated
		FX-2003-12DS	Compact Main Control Unit		15	UUT-3
		FX-2003-12XTDS	Compact Main Control Unit		20	UUT-1
		FX-2017-12ADS	Large Main Control Unit		25	Interpolated
		FX-2009-12DS	Mid-size Main Control Unit	25	UUT-4	
		ECX-0012	Expander Chassis	Cold Rolled Steel	12	UUT-4
		PS-2040	Network Fire Alarm and Audio Power Supply		17	Interpolated
		QMB-5000N	Integrated Audio Network Control Chassis		22	Interpolated
QX-MINI-BP	Booster Panel	41	Interpolated			
QX-MINI-LOC	Local Operating Console	41	Interpolated			
QX-MINI	Master Panel	41	UUT-2			
Enclosures	Mircom	DOX-1024DS	White Door for UB1024DS Backbox	Cold Rolled Steel	9	Extrapolated
		DOX-1024DSR	Red Door for UB1024DS Backbox		9	Extrapolated
		BBX-1024XT	Enclosure 26"Hx14.5"Wx4.5"D		13	UUT-1
		CCH-5008	Custom Mounting Kit for BB-5008		15	Interpolated
		CCH-5014	Custom Mounting Kit for BB-5014		15	UUT-4
		DOX-5008M	White Metal Door for BB-5008		17	Interpolated
		DOX-5008MR	Red Metal Door for BB-5008		17	Interpolated
		UB-1024DS	Universal Black Box 26" H x 14.5" W x 4.2" D		18	Interpolated
		FX-400/MR-400	Enclosure 21"Hx14.5"Wx4.2"D		19	Interpolated
		FX-240N	Enclosure 26"Hx14.5"Wx4.5"D		20	Interpolated
		BBX-1024	Enclosure 26"Hx14.5"Wx4.5"D		20	UUT-3
		BBX-1024DS	Enclosure 26"Hx14.5"Wx4.5"D		20	UUT-2
		BB-5008	Lobby Control Centre Wallbox Enclosure 36"H x 30"Wx7"D		21	Interpolated
		BBX-1072ADSR	Backbox Enclosure		24	Interpolated
		BBX-1072A	Enclosure 32.5"Hx25"Wx6.5"D		24	Interpolated
		DOX-5014M	White Metal Door for BB-5014		33	Interpolated
		DOX-5014MR	Red Metal Door for BB-5014		33	UUT-4
		BBX-1072ADS	Backbox Enclosure 32.5"H x 25"W x 6.5"D		52	Interpolated
		BBX-FXMNS	Enclosure		80	Interpolated
		BB-5014	Lobby Control Centre Wallbox Enclosure 60"H x 30"W x 7" D		90	UUT-4
Lead-Acid Batteries	Mircom	BAT-12V18A	Mircom Sealed Lead-Acid Batteries 12V, 18 AH	Plastic	12	UUT-2
		BAT-12V26A	Mircom Sealed Lead-Acid Batteries 12V, 26 AH		19	UUT-1
Power Supply	Mircom	MD-764	24VDC, 9.5 Amp	Fiberglass Reinforced Epoxy Laminate	3	UUT-1
		MD-1078	Auxiliary 24V Supply		4	UUT-2
Adder Loop and Network Controller Modules	Mircom	ALC-H16	Hardware Loop Controller Module	Fiberglass Reinforced Epoxy Laminate	<1	UUT-1, UUT-4
		FNC-2000	Fire Network Controller Module		<1	Interpolated
		FOM-2000-SP	Fiber Optic Network Adder Module		<1	Interpolated
		ANC-5000	Audio Network Controller Module		<1	Interpolated
		TNC-5000	Telephone Network controller Module		<1	Interpolated
		ALCN-792M	Quad Loop Controller Module		<1	Interpolated
		ALCN-792D	Daughter Board for Quad Loop Controller Module		<1	Interpolated
		ALC-198S	Single Analog Loop Controller Module		1	Interpolated
		ALC-396S	Dual Analog Loop Controller Module		1	UUT-4
		ALC-480	Dual Loop Controller Module		1	Interpolated
		ALC-636	Dual Loop Controller Module		1	Interpolated
		ALCN-240ISO	Single Loop Controller Module		1	Interpolated
		ALCN-396S	Dual Loop Controller Module		1	UUT-4
Adder Hardwire Modules	Mircom	DM-1008A	Eight Initiating Circuit Module	Fiberglass Reinforced Epoxy Laminate	3	UUT-1, UUT-3, UUT-4
		RM-1008A	Eight Relay Circuit Module		3	UUT-3, UUT-4
		SGM-1004A	Four Notification Appliance Circuit Module		3	UUT-4
Graphics and Display Modules	Mircom	RAM-1016TZDS	16 Zone Remote LED Annunciator	Fiberglass Reinforced Epoxy Laminate	1	Extrapolated
		RAX-1048TZDS	Adder Remote LED Annunciator		2	UUT-1, UUT-4
		RAM-1032TZDS	Main Remote LED Annunciator		2	Interpolated
		RAM-3500-LCD	Remote LCD Annunciator		2	Interpolated
		AGD-048	Graphic Annunciator Adder Driver Module		2	UUT-4
		MGD-32	Graphic Annunciator Driver Module		2	UUT-4
		AGD-048	Adder Graphic Driver Module		2	Interpolated
		MGD-32	Master Graphic Driver Module		2	UUT-1
		DSPL-420	Main LCD Display		2	UUT-1
		DSPL-2440	Graphical Main Display		2	Interpolated
		RAX-LCD-Lite	Remote LCD Annunciator		4	Interpolated
		RAXN-LCD	Remote LCD Annunciator		4	Interpolated
		RAXN-LCDG	Remote Graphic LCD Annunciator		4	Interpolated
RAX-LCD	Remote Shared LCD Display	4	UUT-4			

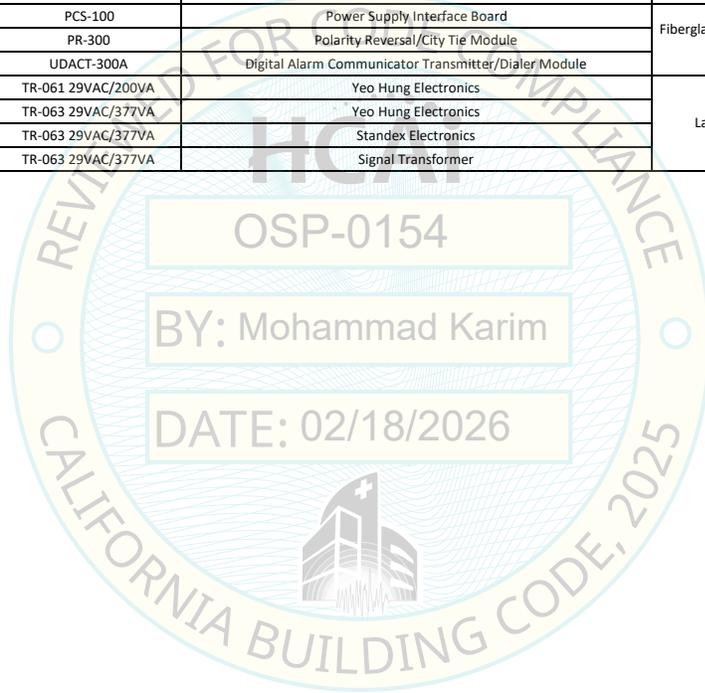
Special Seismic Certification
Table 3 - Certified Subcomponents



DCL Project Number: 03479-2601

Product Line: Fire Alarm Control Panels

Subcomponent Type	Manufacturer	Model Number	Description	Material	Weight [lb.]	Unit
Audio Modules	Mircom	QAA-4CLA	Class 'A' Amplifier Converter Module	Fiberglass Reinforced Epoxy Laminate	<1	Extrapolated
		QAA-4CLAS	Class 'A' Amplifier Converter Module		<1	Extrapolated
		QAD-30	Amplifier Module		2	UUT-2
		QAZT-5302DS	Paging and Telephone Selector Panel		1	Interpolated
		QAA-5415-70	70 Volt Quad 15 Watt Amplifier		5	Interpolated
		QAA-5415-25	25 Volt Quad 15 Watt Amplifier		5	Interpolated
		QAA-5230S-70/25	25 or 70 Volt Dual 30 Watt Amplifier		5	Interpolated
		QAA-5230-70/25	25 or 70 Volt Dual 30 Watt Amplifier		5	Interpolated
		QAA-5160-70/25	25 or 70 Volt 60 Watt Amplifier	5	Interpolated	
		QMT-5302NV	Master Network Telephone Module	Fiberglass Reinforced Epoxy Laminate, Cold Rolled Steel	7	Interpolated
QMP-5101NV	Master Network Paging Control Module	Fiberglass Reinforced Epoxy Laminate, Cold Rolled Steel	7	UUT-2		
		QX-MINI-RM	Remote Microphone		7	UUT-2
Programmable Modules	Mircom	IPS-2424DS	Programmable Input Switches Module	Fiberglass Reinforced Epoxy Laminate	1	UUT-4
		RAX-1048TZDS	Programmable Zone LED Annunciator Module		2	UUT-1, UUT-3
		FDX-024	Fan Damper Control Module		2	Interpolated
		FDX-008	Fan Damper Control Module		2	UUT-4
Adder Auxiliary Modules	Mircom	PCS-100	Power Supply Interface Board	Fiberglass Reinforced Epoxy Laminate	<1	Extrapolated
		PR-300	Polarity Reversal/City Tie Module		2	UUT-4
		UDACT-300A	Digital Alarm Communicator Transmitter/Dialer Module		2	UUT-1, UUT-3
Transformers	Mircom	TR-061 29VAC/200VA	Yeo Hung Electronics	Laminated Steel	5	UUT-3
		TR-063 29VAC/377VA	Yeo Hung Electronics		7	UUT-4
		TR-063 29VAC/377VA	Standex Electronics		7	UUT-1
		TR-063 29VAC/377VA	Signal Transformer		7	UUT-2



Special Seismic Certification

Table 4 - Tested Units



DCL Project Number: 03479-2601

Manufacturer: Mircom

Product Line: Fire Alarm Control Panels

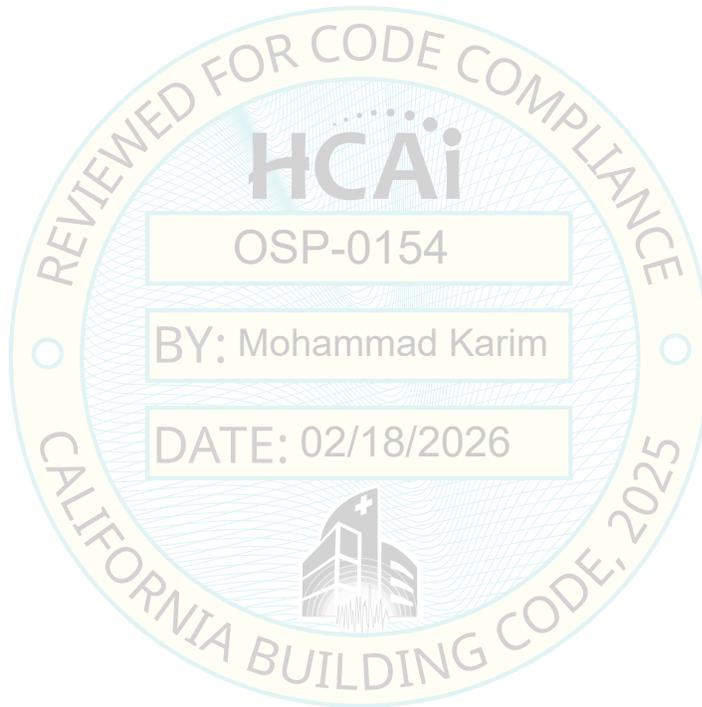
Certified Product Construction: 16 GA Cold Rolled Steel, NEMA 1 and NEMA 3R

Mounting: Rigid Wall Mount

Certified Seismic Levels: Sds=2.46g with z/h=1.0 and z/h=0.0

Factors for Force Amplification and Structure Ductility Reduction: $H_i = 3.5$ at $z/h=1.0$; 1.0 at $z/h=0$ and $R_p = 1.3$ at $z/h=1.0$; 1.0 at $z/h=0$

Model	NTS Test Report Number	Dimensions [in.]			Weight [lb.]	Unit
		Width	Depth	Height		
FX-2000 Fire Alarm Control Panel in BBX-1024XT Enclosure	PR049078	14.5	5.3	35.5	73	UUT-1
QX-MINI Emergency Communication System in BBX-1024DS Enclosure	PR049078	14.5	4.2	26.0	52	UUT-2
FX-2003-6 Compact Main Chassis in BBX-1024 Enclosure	103-1665	14.5	4.5	26.0	52	UUT-3
FX-2009S-12 Large Main Chassis in BB-5014 Enclosure	103-1665	30.0	7.0	60.0	234	UUT-4



UNIT UNDER TEST (UUT) Summary Sheet



UUT-1

NTS Repot Number: PR049078

Test Dates: 9/21/16 - 9/22/16

Manufacturer: Mircom

Product Line: Fire Alarm Control Panels

Model Number: FX-2000

Product Construction Summary: 16 GA Cold Rolled Steel, NEMA 1 and NEMA 3R

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
73	5.3	14.5	35.5	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _r	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.50	1.0	3.5	1.3	1.5	4.00	3.00	N/A	N/A
	AC156-24	2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.68

Unit Mounting Description: UUT-1 was mounted directly to the rigid wall fixture using (4) 3/8" diameter lag screws.



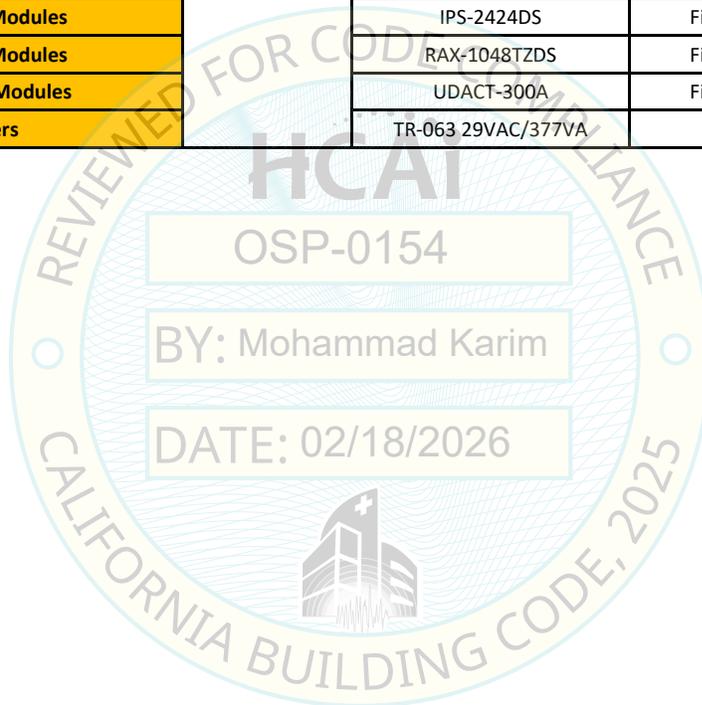
UNIT UNDER TEST (UUT) Summary Sheet



UUT-1

Options / Component Summary:

Subcomponent Type	Manufacturer	Model Number	Material
Main Control Unit	Mircom	FX-2003-12XTDS	Galvanized Steel
Enclosures		BBX-1024XT	Cold Rolled Steel
Lead-Acid Batteries		BAT-12V26A	Plastic
Power Supply		MD-764	Fiberglass Reinforced Epoxy Laminate
Adder Loop and Network Controller Modules		ALC-H16	Fiberglass Reinforced Epoxy Laminate
Adder Hardwire Modules		DM-1008A	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		RAX-1048TZDS	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		MGD-32	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		DSPL-420	Fiberglass Reinforced Epoxy Laminate
Programmable Modules		IPS-2424DS	Fiberglass Reinforced Epoxy Laminate
Programmable Modules		RAX-1048TZDS	Fiberglass Reinforced Epoxy Laminate
Adder Auxiliary Modules		UDACT-300A	Fiberglass Reinforced Epoxy Laminate
Transformers		TR-063 29VAC/377VA	Laminated Steel



UNIT UNDER TEST (UUT) Summary Sheet



UUT-2

NTS Repot Number: PR049078

Test Dates: 9/21/16 - 9/22/16

Manufacturer: Mircom

Product Line: Fire Alarm Control Panels

Model Number: QX-MINI

Product Construction Summary: 16 GA Cold Rolled Steel, NEMA 1 and NEMA 3R

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
52	4.2	14.5	26.0	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _r	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.50	1.0	3.5	1.3	1.5	4.00	3.00	N/A	N/A
	AC156-24	2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.68

Unit Mounting Description: UUT-2 was mounted directly to the rigid wall fixture using (4) 3/8" diameter lag screws.



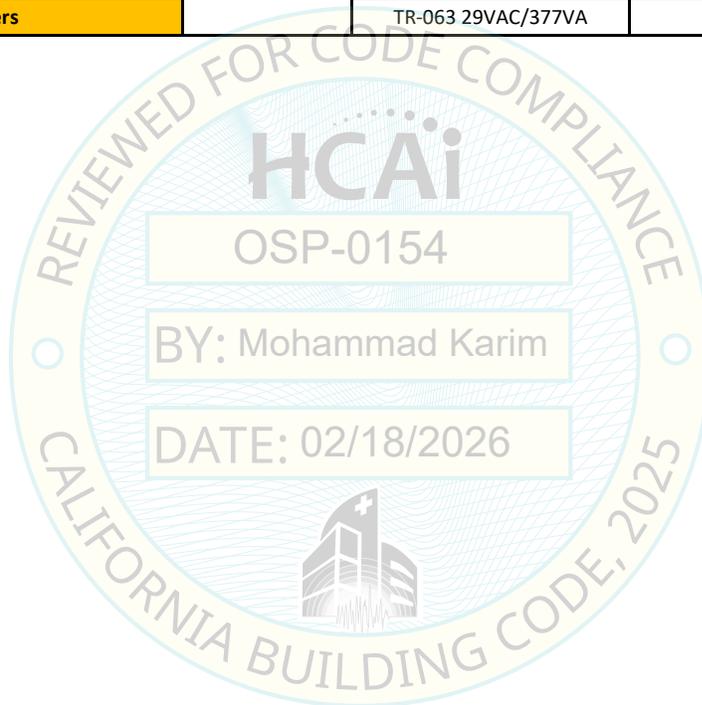
UNIT UNDER TEST (UUT) Summary Sheet



UUT-2

Options / Component Summary:

Subcomponent Type	Manufacturer	Model Number	Material
Main Control Unit	Mircom	QX-MINI	Cold Rolled Steel
Enclosures		BBX-1024DS	Cold Rolled Steel
Lead-Acid Batteries		BAT-12V18A	Plastic
Power Supply		MD-1078	Fiberglass Reinforced Epoxy Laminate
Audio Modules		QAD-30	Fiberglass Reinforced Epoxy Laminate
Audio Modules		QMP-5101NV	Fiberglass Reinforced Epoxy Laminate, Cold Rolled Steel
Audio Modules		QX-MINI-RM	Fiberglass Reinforced Epoxy Laminate, Cold Rolled Steel
Transformers		TR-063 29VAC/377VA	Laminated Steel



UNIT UNDER TEST (UUT) Summary Sheet



UUT-3

NTS Repot Number: 103-1665

Test Dates: 12/3/10 - 12/7/10

Manufacturer: Mircom

Product Line: Fire Alarm Control Panels

Model Number: FX-2003-6

Product Construction Summary: 16 GA Cold Rolled Steel, NEMA 1 and NEMA 3R

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
52	4.5	14.5	26.0	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _f	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.50	1.0	3.5	1.3	1.5	4.00	3.00	N/A	N/A
	AC156-24	2.50	0.0	1.0	1.0		N/A	N/A	1.67	0.68

Unit Mounting Description: UUT-3 was mounted directly to the rigid wall fixture using (4) 3/8" diameter lag screws.



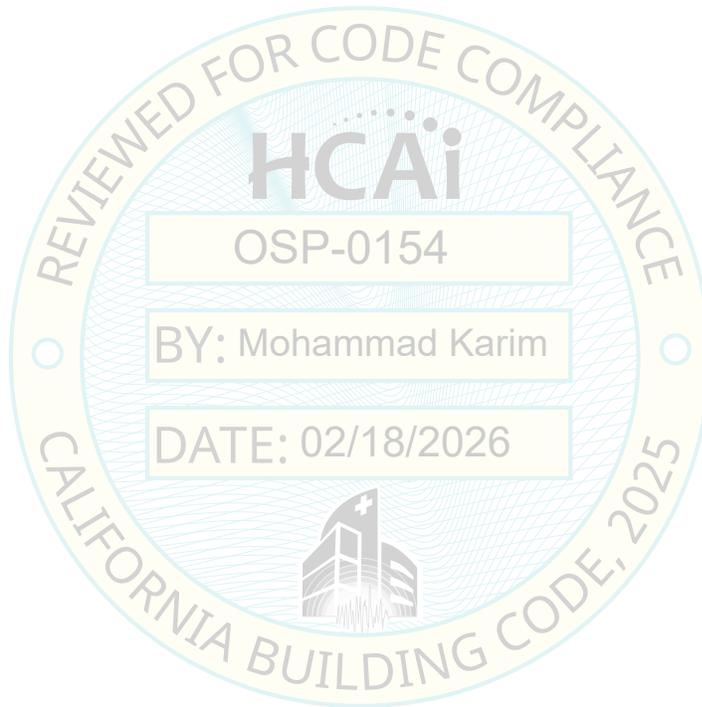
UNIT UNDER TEST (UUT) Summary Sheet



UUT-3

Options / Component Summary:

Subcomponent Type	Manufacturer	Model Number	Material
Main Control Unit	Mircom	FX-2003-12DS	Galvanized Steel
Enclosures		BBX-1024	Cold Rolled Steel
Adder Hardwire Modules		DM-1008A	Fiberglass Reinforced Epoxy Laminate
Adder Hardwire Modules		RM-1008A	Fiberglass Reinforced Epoxy Laminate
Programmable Modules		RAX-1048TZDS	Fiberglass Reinforced Epoxy Laminate
Adder Auxiliary Modules		UDACT-300A	Fiberglass Reinforced Epoxy Laminate
Transformers		TR-061 29VAC/200VA	Laminated Steel



UNIT UNDER TEST (UUT) Summary Sheet



UUT-4

NTS Repot Number: 103-1665

Test Dates: 12/3/10 - 12/7/10

Manufacturer: Mircom

Product Line: Fire Alarm Control Panels

Model Number: FX-2009S-12

Product Construction Summary: 16 GA Cold Rolled Steel, NEMA 1 and NEMA 3R

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained before and after the AC 156 test.

UUT Properties

Operating Weight (lb)	Dimensions (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
234	7.0	30.0	60.0	N/A	N/A	N/A

Seismic Test Parameters

Building Code	Test Criteria	Sds (g)	z/h	H _r	R _μ	I _p	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)
CBC 2025	ICC-ES	2.46	1.0	3.5	1.3	1.5	3.94	2.95	N/A	N/A
	AC156-24	2.46	0.0	1.0	1.0		N/A	N/A	1.65	0.66

Unit Mounting Description: UUT-4 was mounted directly to the rigid wall fixture using (4) 3/8" diameter lag screws.

OSP-0154

BY: Mohammad Karim

DATE: 02/18/2026



UNIT UNDER TEST (UUT) Summary Sheet



UUT-4

Options / Component Summary:

Subcomponent Type	Manufacturer	Model Number	Material
Main Control Unit	Mircom	FX-2009-12DS	Galvanized Steel
Main Control Unit		ECX-0012	Cold Rolled Steel
Enclosures		CCH-5014	Cold Rolled Steel
Enclosures		DOX-5014MR	Cold Rolled Steel
Enclosures		BB-5014	Cold Rolled Steel
Adder Loop and Network Controller Modules		ALC-H16	Fiberglass Reinforced Epoxy Laminate
Adder Loop and Network Controller Modules		ALC-396S	Fiberglass Reinforced Epoxy Laminate
Adder Loop and Network Controller Modules		ALCN-396S	Fiberglass Reinforced Epoxy Laminate
Adder Hardwire Modules		DM-1008A	Fiberglass Reinforced Epoxy Laminate
Adder Hardwire Modules		RM-1008A	Fiberglass Reinforced Epoxy Laminate
Adder Hardwire Modules		SGM-1004A	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		RAX-1048TZDS	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		AGD-048	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		MGD-32	Fiberglass Reinforced Epoxy Laminate
Graphics and Display Modules		RAX-LCD	Fiberglass Reinforced Epoxy Laminate
Programmable Modules		IPS-2424DS	Fiberglass Reinforced Epoxy Laminate
Programmable Modules		FDX-008	Fiberglass Reinforced Epoxy Laminate
Adder Auxiliary Modules		PR-300	Fiberglass Reinforced Epoxy Laminate
Transformers		TR-063 29VAC/377VA	Laminated Steel

