

Device Compatibility

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UL Listed, Compatible Equipment

**IFC-200,
IFC-400,
IFC-640,
IFC-1010/2020
UL Listed
Compatible
Equipment**

The following table contains equipment listed by Underwriters Laboratories®, Inc. (UL). The **X** denotes compatibility with the IFC-200, IFC-400, IFC-640, IFC-1010, and/or IFC-2020:

Table 1: IFC-200, -400, -640, -1010, -2020 UL Listed Compatible Equipment

Johnson Controls Part Number	Description	IFC-200	IFC-400	IFC-640	IFC-1010/2020
1151EIS	Intrinsically-Safe Conventional Smoke Detector	X	X	X	X
1151J	Low Profile Conventional Ionization Smoke Detector	X	X	X	X
1551JDUCT	Ionization Duct Smoke Detector Head	X	X	X	X
1251J	Intelligent Ionization Smoke Detector	X	X	X	X
1351J	Intelligent Ionization Smoke Detector	X	X	X	X
1551J	Intelligent Ionization Smoke Detector	X	X	X	X
2151J	Low Profile Conventional Photoelectric Detector	X	X	X	X
2251J	Intelligent Low Profile Photoelectric Detector	X	X	X	X
2351J	Intelligent Photoelectric Smoke Detector	X	X	X	X
2351TJ	Intelligent Photoelectric Smoke Detector with Thermal	X	X	X	X
2351TMJ	Acclimate Multi-Detector			X	
2551J	Intelligent Photoelectric Detector	X	X	X	X
2551JDUCT	Photoelectric Duct Smoke Detector Head	X	X	X	X
2551THJ	Intelligent Photoelectric Detector with Fixed Terminal	X	X	X	X
3251J	Low Profile Intelligent Detector		X	X	X ^{N1}
4XMM	Ammeter-Voltmeter Module	X			
4XTM	Plug-in Transmitter Module, Municipal Box, and Remote Station Connections	X	X		
5351J	Intelligent Thermal Detector	X	X	X	X
5351RJ	Intelligent Thermal Detector with Rate of Rise	X	X	X	X
5551J	Intelligent Thermal Detector (136°F Fixed Temperature)	X	X	X	X

Continued on next page . . .

N1 The IFC-1010/2020 panel must have Merge firmware M2.8 or later to support the 3251J detector.

Johnson Controls Part Number (Cont.)	Description	IFC-200	IFC-400	IFC-640	IFC-1010/ 2020
5551RJ	Intelligent Thermal Detector (136°F Fixed Temperature), Rate of Rise	X	X	X	X
7351J	Intelligent Early Warning Laser Smoke Detector		X	X	
A2143-20	Capacitor			X	X
A77-716B	Power Supervision Relay	X	X	X	X
A-30/AA-30E	30-watt Audio Amplifier		X	X	X
AA-100/AA-100E	100-watt Audio Amplifier		X	X	X
AA-120/AA-120E	120-watt Audio Amplifier		X	X	X
ABF-1	Annunciator Flush Box	X	X	X	X
ABF-1D	Annunciator Flush Box	X	X	X	X
ABF-2	Annunciator Flush Box	X	X	X	X
ABF-2D	Annunciator Flush Box	X	X	X	X
ABF-4	Annunciator Flush Box	X	X	X	X
ABM-1	Annunciator Blank Module	X	X	X	X
ABS-1	Annunciator Surface Box	X	X	X	X
ABS-1T	Annunciator Surface Box	X	X	X	X
ABS-2	Annunciator Surface Box	X	X	X	X
ABS-2T	Annunciator Surface Box	X	X	X	X
ABS-4D	Annunciator Surface or Semi-Flush Mount Box	X	X	X	X
ABS-4DR	Annunciator Surface or Semi-Flush Mount Box	X	X	X	X
ACM-8R	Annunciator Control Module	X	X	X	X
ACM-16AT	Annunciator Control Module	X	X	X	X
ACM-16ATG	Annunciator Control Module	X	X	X	X
ACM-16ATY	Annunciator Control Module	X	X	X	X
ACM-32A	Annunciator Control Module	X	X	X	X
ACM-32AG	Annunciator Module	X	X	X	X
ACM-32AY	Annunciator Module	X	X	X	X
ACT-1	Audio Coupling Transformer		X	X	X
ACT-2	Audio Coupling Transformer		X	X	X
ACPS-2406	Addressable Power Supply	X	X	X	X
ADP-4	Annunciator Dress Panel		X	X	X
AEM-16AT	Annunciator Expander Module	X	X	X	X
AEM-16ATG	Annunciator Expander Module	X	X	X	X
AEM-16ATY	Annunciator Expander Module	X	X	X	X
AEM-32A	Annunciator Expander Module	X	X	X	X
Continued on next page . . .					

Johnson Controls Part Number (Cont.)	Description	IFC-200	IFC-400	IFC-640	IFC-1010/2020
AFAWS-BX	Back Box		X	X	X
AFAWS-KR	Key Lock Door for Recessed-Mount		X	X	X
AFAWS-KS	Key Lock Door for Surface-Mount		X	X	X
AFAWS-LR	Latch Door for Recessed-Mount		X	X	X
AFAWS-LS	Latch Door for Surface-Mount		X	X	X
AFAWS-TELA	Telephone with Armored Cable		X	X	X
AFAWS-TELC	Telephone with Coil Cord		X	X	X
AKS-1/-1B	Annunciator Key Switch	X	X	X	X
AM-1	Ammeter		X	X	X
AMG-1	Audio Message Generator		X	X	X
AMG-E	Audio Message Generator		X	X	X
APJ-1/-1B	Annunciator Phone Jack		X	X	X
APS-6R	Power Supply	X	X	X	X
ATG-2	Audio Tone Generator		X	X	X
AVL-1	Audio Voice Link				X
AVPS-24	120 VAC Audio Visual Power Supply	X	X	X	X
AVPS-24E	220 VAC Audio Visual Power Supply	X	X	X	X
B210LPJ	Low Profile Flanged Detector Base	X	X	X	X
B224BI	Low Profile Isolator Detector Base	X	X	X	X
B224RB	Low Profile Relay Detector Base	X	X	X	X
B401	Two-Wire Detector Base	X	X	X	X
B401B	Two-Wire Detector Base	X	X	X	X
B404BT	Mounting Base for Duct Detectors	X	X	X	X
B406B	Four-Wire Detector Base	X	X	X	X
B501BH	Standard Sounder Detector Base	X	X	X	X
B501BJ	Standard Detector Base, Flanged	X	X	X	X
B501J	Standard Detector Base, Unflanged	X	X	X	X
B524BI	Isolator Detector Base		X	X	X
B524RB	Relay Detector Base		X	X	X
B610LP	Detector Base	X	X	X	X
B626LP	Detector Base	X	X	X	X
BB-17	Battery Back Box	X	X	X	X
BB-25	Battery Back Box	X	X	X	X
BB-55	Battery Back Box for the PS-12600 Batteries		X	X	X
BG-TR	Semi-Flush Trim Ring for BG Series Pull Stations	X	X	X	X
BP-3	Battery Dress Panel		X	X	X
BRKG-N	Break-Glass Replacement	X	X	X	X
CAB-400AA	Miniature Back Box		X		
CAB-AM/BM	Cabinets for Marine Applications	X AM only		X	X
Continued on next page . . .					

Johnson Controls Part Number (Cont.)	Description	IFC-200	IFC-400	IFC-640	IFC-1010/2020
CAB-A3	Back Box and Door		X		X
CAB-B3	Back Box and Door		X		X
CAB-C3	Back Box and Door		X		X
CAB-D3	Back Box and Door		X		X
CAP-1	0.1 microampere 500 V Capacitor			X	X
CB500	Control Module Barrier	X	X	X	X
CCM-1	Communication Converter Module			X	X
CHG-120	Remote Battery Charger	X	X	X	X
CHS-4	Chassis		X	X	X
CHS-4L	Chassis		X		X
CPU-2	Central Processing Unit				X ^{N2}
CPU-2020	Central Processing Unit				X ^{N3}
CRT-2	Video Display Monitor	X	X	X	X
DH300P	Duct Detector	X	X	X	X
DH300RP	Duct Detector with Relay	X	X	X	X
DH500J	Duct Detector	X	X	X	X
DH502J	Duct Detector	X	X	X	X
DIA-1010	Display Interface Assembly				X ^{N4}
DIA-2020	Display Interface Assembly				X ^{N5}
DP-1/-1B	Dress Panel		X	X	X
DPDW-1/-1B	Dress Panel, Double Well		X	X	X
DPSW-1	Dress Panel, Single Well		X	X	X
F110	Retrofit B501BJ Replacement Flange	X	X	X	X
FCPS-24	Remote Power Supply	X	X	X	X
FFT-7	Fire Fighter's Telephone		X	X	X
FFT-7S	Fire Fighter's Telephone		X	X	X
FHS	Fireman's Handset		X	X	X
FTX-P1J	HARSH™ Hostile Area Smoke Detector	X	X	X	X
FTX-P2J	HARSH Hostile Area Smoke Detector	X	X	X	X
ICA-4 and ICA-4L	Interconnect Chassis Assemblies				X
INA	Intelligent Network Annunciator			X	X
JBG-10L	Manual Pull Station	X	X	X	X
JBG-12L	Manual Pull Station	X	X	X	X
JBG-12LX	Addressable Manual Pull Station	X	X	X	X
JBGX-101L	Addressable Manual Pull Station	X	X	X	X
JDR-A3	A-Size Door		X	X	X
Continued on next page . . .					

N2 The CPU-2 is used with the IFC-1010.

N3 The CPU-2020 is used with the IFC-2020.

N4 The DIA-1010 is used with the IFC-1010.

N5 The DIA-2020 is used with the IFC-2020.

Johnson Controls Part Number (Cont.)	Description	IFC-200	IFC-400	IFC-640	IFC-1010/ 2020
JDR-B3	B-Size Door		X	X	X
JDR-C3	C-Size Door		X	X	X
JDR-D3	D-Size Door		X	X	X
JFPJ	Fireman's Phone Jack		X	X	X
JPRN-5	Printer	X	X	X	X
JSIB-NET ^{N4}	Serial Interface Board for Fire Network				X
LCD-80	Liquid Crystal Display Module	X	X	X	X
LCD-80TM	Liquid Crystal Display Module	X	X	X	X
LDM-32	Lamp Driver Module	X	X	X	X
LDM-E32	Lamp Driver Module	X	X	X	X
LDM-R32	Lamp Driver Module	X	X	X	X
LIB-200	Loop Interface Board				X
LIB-200A	Loop Interface Board				X
LIB-400	Loop Interface Board				X
MBT-1	Municipal Box Trip Device				X
MIB-F	Media interface Board for Fire Network				X
MIB-OWS-F-0	IFC Interface Board				X
MIB-OWS-W-0	IFC Interface Board				X
MIB-OWS-WF-0	IFC Interface Board				X
MIB-W	Media interface Board for Fire Network				X
MIB-WF	Media interface Board for Fire Network				X
M300CJ	Addressable Control Module	X	X	X	X
M300DJ	Dual Monitor Module	X	X	X	X
M300MJ	Addressable Standard Size Monitor Module	X	X	X	X
M300RJ	Addressable Dual Form-C Relay Module	X	X	X	X
M300SMJ	Replacement Pull Station Module	X	X	X	X
M301MJ	Addressable Miniature Monitor Module	X	X	X	X
M302MJ	Addressable Standard Size Interface Module	X	X	X	X
M500CJ	Addressable Control Module	X	X	X	X
M500MJ	Addressable Monitor Module	X	X	X	X
M500XJ	Loop Fault Isolator Module	X	X	X	X
M501MJ	Addressable Mini Monitor Module	X	X	X	X
M502MJ	Addressable Monitor Module	X	X	X	X
M510CJ	Addressable Control Module	X	X	X	X
MOD-1	Chassis	X	X		X
MPM-4	Ammeter/Voltmeter	X	X		X
MPS-24A MPS-24AE	Main Power Supply				X
MPS-24B	Power Supply				X
Continued on next page . . .					

Johnson Controls Part Number (Cont.)	Description	IFC-200	IFC-400	IFC-640	IFC-1010/ 2020
MPS-TR	Trouble Relay/Charger Control				X
N-ARA-10	Abort/Release Station	X	X	X	X
NCM-1	Noise Control Module	X	X	X	X
N-ELR	Assortment Pack with Mounting Plate			X	X
NIB-96	Network Interface Board	X	X	X	X
PRN-4	80-column Printer	X	X	X	X
PS-695	Battery 6-volt, 9.5 Ampere Hour			X	X
PS-1250	Battery 12-volt, 5.0 Ampere Hour			X	X
PS-1270	Battery 12-volt, 7.0 Ampere Hour	X		X	X
PS-12120	Battery 12-volt, 12 Ampere Hour	X	X	X	X
PS-12180	Battery 12-volt, 18 Ampere Hour	X		X	X
PS-12250	Battery 12-volt, 25 Ampere Hour	X	X	X	X
PS-12550	Battery 12-volt, 55 Ampere Hour	X	X	X	X
PS-12600	Battery 12-volt, 60 Ampere Hour	X	X	X	X
PS-121000	Battery 12-volt, 100 Ampere Hour	X	X	X	X
R-120	120 ohm End-of-Line Resistor	X	X	X	X
R-27K	27 K End-of-Line Resistor	X	X	X	X
R-47K	47 K End-of-Line Resistor	X	X	X	X
RA400Z	Remote LED Annunciator	X	X	X	X
REL-47K	47 K End-of-Line Resistor	X	X	X	X
RKS-S	Security Switch		X	X	X
RM-1	Remote Microphone	X	X	X	X
RM-1SA	Remote Microphone Assembly	X	X	X	X
RMK-400	Recessed Mounting Kit	X	X	X	X
RPJ-1	Remote Page Jack		X	X	X
RPT-485F	EIA-485 Repeater- Fiber	X	X	X	X
RPT-485W	EIA-485 Repeater-Wire	X	X	X	X
RPT-485WF	EIA-485 Repeater-Wire/Fiber	X	X	X	X
RPT-680	Reverse Polarity Transmit			X	X
RPT-W	Repeater for Fire Network			X	X
RPT-WF	Repeater for Fire Network			X	X
RTM-8	Plug-in Relay/Transmitter Module	X			
RTS451	Remote Test Station	X	X	X	X
RTS451KEY	Key-operated Remote Test Station	X	X	X	X
SB-10	Surface Box	X	X	X	X
Continued on next page . . .					

Johnson Controls Part Number (Cont.)	Description	IFC-200	IFC-400	IFC-640	IFC-1010/ 2020
SCS-8/ SCE-8, SCS-8L/ SCE-8L	Smoke Control System			X	X
SDG-773	Smoke Detector Guard	X	X	X	X
SIB-2048	Serial Interface Board				X
SIB-2048A**	Serial Interface Board				X
SIB-232	Serial Interface Board				X
SIB-N2**	Serial Interface Board				X
SMB500	Surface Mount Box for Control and Monitor Modules	X	X	X	X
SMB600	Surface Mount Box for Detectors and Sounder Base	X	X	X	X
SMK400	Surface Mount Kit for Flangeless Base	X	X	X	X
STS-1	Security Tamper Switch			X	X
TPI-232	Modem	X	X		X
TPI-ACDC	Power Supply for the TPI-232	X	X		X
TPI-ENC	Desktop Enclosure for the TPI-232	X	X	X	X
TR-4XG	Trim Ring for Semi-Flush Mounting (gray)	X			
TR-4XR	Trim Ring for Semi-Flush Mounting (red)	X			
UBS-1	Back Box with door for the UDACT	X	X	X	X
UDACT	Universal Digital Alarm Communicator Transmitter	X	X	X	X
UZC-256	Universal Zone Coder		X	X	X
VM-1	Voltmeter		X	X	X
VP-2/-2B	Vent Plate		X	X	X
WC-2	Wire Panel		X	X	X
XPC-8	Transponder Notification Appliance Circuit Module		X	X	X
XPDP	Transponder Dress Panel		X	X	X
XPIQ	Quad Intelligent Audio Transponder		X	X	X
XP5-C	Transponder Control Module	X	X	X	X
XP5-M	Transponder Monitor Module	X	X	X	X
XPM-8	Transponder Initiating Circuit Module		X	X	X
XPM-8L	Transponder Initiating Circuit Module		X	X	X
XPP-1	Transponder Processor Module		X	X	X
XPR-8	Transponder Relay Module		X	X	X

** Assembly includes grounding cable (71073).

UL Listed, Compatible Smoke Detectors

UL Listed
Two-Wire
Detectors
Compatible
with FC-2000
and XPM-8

Table 2: UL Listed, Compatible Two-Wire Conventional Smoke Detectors

UL Listed, Compatible Two-Wire Conventional Smoke Detectors						Maximum Detector Number per IDC	
Detector Model	Detector Identifier *	Detector Type	Base Model	Base Identifier	Standby Current (microampere)	FC-2000	XPM-8
System Sensor Detectors							
1400	A	Ionization	n/a	n/a	100	25	36
1451	A	Ionization	B401	A	120	20	30
			B401B	A	120	20	30
			B406B	a	120	1	1
1451DH	A	Ionization	DH-400	A	120	20	30
1851DH	A	Ionization	DH1851DC	A	120	20	30
2400	A	Photoelectric	n/a	n/a	120	20	30
2400TH	A	Photo/Thermal	n/a	n/a	120	20	30
2400AIT	A	Photo/Isolated Thermal/Horn	n/a	n/a	120	25	36
2400AT	A	Photo/Thermal/Horn	n/a	n/a	120	25	36
2451	A	Photoelectric	B401	A	120	20	30
			B401B	A	120	20	30
			B406B	A	120	1	1
			DH-400	A	120	20	30
2451TH	A	Photo/Thermal	B401	A	120	20	30
			B401B	A	120	20	30
			B406	A	120	1	1
2851DH	A	Photoelectric	DH2851DC	A	120	20	30
Notifier® Detectors							
CP-651	A	Ionization	B401	A	120	20	30
			B610LP	A	120	20	30
			B616LP	A	120	1	1
SD-651	A	Photoelectric	B401	A	120	20	30
			B610LP	A	120	20	30
			B616LP	A	120	1	1

* See Circuit Specifications.

Table 3: UL Listed, Compatible Two-Wire Smoke Detectors for the M502MJ/M302MJ

Detector Model	Detector Identifier*	Detector Type	Base Model	Base Identifier*	Standby Current (microampere)	Maximum Number of Detectors per Initiating Device Circuit (IDC)
System Sensor Detectors						
1400	A	Ionization	n/a	n/a	100	24
1451	A	Ionization	B401 B401B B406B	A A A	120 120 120	20 20 1
1851DH	A	Ionization	DH1851DC	A	120	20
2400	A	Photoelectric	n/a	n/a	120	20
2400AIT	A	Photo/Isolated/ Thermal/ Horn	n/a	n/a	120	1
2400AT	A	Photo/Thermal/ Horn	n/a	n/a	120	1
2400TH	A	Photo/Thermal	n/a	n/a	120	20
2451	A	Photoelectric	B401 B401B B406B DH-400 B406B	A A A A A	120 120 120 120 120	20 20 1 20 1
2451TH	A	Photoelectric	B402		120	
2800TH	A	Photo/Thermal	n/a	n/a	120	20
2851B	A	Photoelectric	B101B B107B	A A	120 120	20 1
2851DH	A	Photoelectric	DH2851DC	A	120	20
Notifier Detectors						
CP-651	A	Ionization	B401B B610LP B616LP	A A A	120 120 120	20 20 1
SD-651	A	Photoelectric	B401B B610LP B616LP	A A A	120 120 120	20 20 1
Fenwal® Detectors						
CPD-7021	I1FE1	Ionization	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	60	40
CPD-7021	I1FE1	Duct	70-211002-000	D22FE1	60	1
PSD-7125	P5FE1	Photoelectric	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	100	24
PSD-7126	P6FE1	Photo/Thermal	70-201000-001 70-201000-002 70-201000-003 70-201000-005	FEO1A FEO2A FEO3A FEO5A	100	24
PSD-7129	P9FE1	Duct	70-211002-000	D22FE1	100	1
Continued on next page . . .						

* See Circuit Specifications.

Detector Model (Cont.)	Detector Identifier*	Detector Type	Base Model	Base Identifier*	Standby Current	Maximum Number of Detectors per IDC
Hochiki® Corporation Detectors						
SIH-24F	HD-3	Ionization	HS-22D	HB-3	40	25
			HS-2-RB	HB-10		1
			YBA-M22	HB-3		25
			HSB-220	HB-56		25
			HSB-224	HB-53		n/a
SLK-24F	HD-3	Photoelectric	HS-22D	HB-3	45	25
			HS-2-RB	HB-10		1
			YBA-M22	HB-3		25
			HSB-220	HB-56		25
			HSB-224	HB-53		n/a
SLK-24FH	HD-3	Photoelectric	HS-22D	HB-3	45	25
			HS-2-RB	HB-10		1
			YBA-M22	HB-3		25
			HSB-220	HB-56		25
			HSB-224	HB-53		n/a
Edwards Detectors						
6250B	001	Ionization	6251B-001	001	50	20
6264B	001	Ionization	n/a	n/a	50	1
6270B	001	Photoelectric	6251B-001	001	65	20
Simplex® Detectors						
Simplex 2098-9201	HD-3	Photoelectric	2098-9211	HB-54	45	20
Simplex 2098-9202	HD-3	Photoelectric	2098-9211	HB-54	45	20
Simplex 2098-9576	HD-3	Ionization	2098-9211	HB-54	40	20

Note 1: Mix or match System Sensor and Fenwal detectors in an IDC, but do not exceed the maximum standby current of each IDC.

Note 2: The operation of more than one detector per IDC cannot be assured when using two-wire smoke detectors containing supplementary relays or indicators. Therefore, if you use a detector with relay, make sure it is the only detector on the IDC. Do not use any IDC shorting (contact) devices, such as manual pull stations or heat detectors, on that IDC.

Circuit Specifications

FC-2000 (IZM-8/IZE-A)

The FC-2000 Circuit Specifications are:

- IDC voltage: 17-26.5 VDC
- maximum detector IDC standby current: 2.5 mA per IDC
- UL compatibility identifier: **A** (usable with panels marked **A**)
- DC maximum resistance: 100 ohms

XP Series (XPM-8)

The XP Series Circuit Specifications are:

- IDC voltage: 24 VDC nominal
- maximum detector IDC standby current: 3.5 mA per IDC
- UL compatibility identifier: **A** (usable with panels marked **A**)
- IDC maximum resistance: 100 ohms
- Notification Appliance Circuit (NAC) Power: MPS-24A, Filtered

IFC-1010/2020

The IFC-1010/2020 Circuit Specifications are:

- LIB-200
 - Signaling Line Circuit (SLC) voltage: 18-26.2 VDC
 - SLC maximum resistance: 40 ohms
 - maximum SLC cable: 10,000 feet
- LIB-200A
 - Signaling Line Circuit (SLC) voltage: 18-26.2 VDC
 - SLC maximum resistance: 50 ohms
 - maximum SLC cable: 12,500 feet
- LIB-400
 - Signaling Line Circuit (SLC) voltage: 18-26.2 VDC
 - SLC maximum resistance: 50 ohms
 - maximum SLC cable: 12,500 feet

IFC-3030

The IFC-3030 Circuit Specifications are:

- NAC Power: AMPS024/AMPS-24E Filtered
- UL Listed as a Special Application Power Supply

**M302MJ/
M502MJ
Monitor
Modules**

The M302MJ/M502MJ Monitor Modules Circuit Specifications are:

- IDC voltage: 16 to 27.5 VDC
- compatibility identifier: **A** (usable with panels marked **A**)
- IDC maximum resistance: 25 ohms

**FCPS-24*
Field Charger
Power Supply**

The FCPS-24 Field Charger Power Supply Circuit Specifications are:

- Input Voltage: 9 to 32 VDC
- Rated 24 VDC
- 19.1 to 26.4 VDC range for compatibility
- UL Listed as a Special Application Power Supply
- NAC Power: Filtered

**FCPS-24 S6/
FCPS-24 S8
Field Charger
Power Supply**

The FCPS-24 S6/FCPS-24 S8 Field Charger Power Supply Circuit Specifications are:

- Input Voltage: 9 to 32 VDC
- Rated 24 VDC
- UL Listed as a Special Application Power Supply
- NAC Power: Filtered

**AVPS-24*
Special
Application
Power Supply**

The AVPS-24 Special Application Power Supply Circuit Specifications are:

- AVPS-24 used with the IFC-1010/2020, FC-2000, IFC-200 control panels, XP transponders
- NAC Power: Full Wave Rectified
- UL Listed as a Special Application Power Supply

**APS-6R*
Auxiliary
Power Supply**

The APS-6R Auxiliary Power Supply Circuit Specifications are:

- Auxiliary Power Supply used with the IFC-1010/2020, IFC-200, IFC-400, FC-2000, IFC-640, XP transponders
- NAC Power: Filtered
- UL Listed as a Special Application Power Supply

MPS-24A*
Auxiliary
Power Supply

The MPS-24A Auxiliary Power Supply Circuit Specifications are:

- Auxiliary Power Supply used with the IFC-1010/2020 and FC-2000 control panels
- NAC Power: Filtered
- UL Listed as a Special Application Power Supply

IFC-200*/
IFC-400*

The IFC-200/IFC-400 Circuit Specifications are:

- NAC Power: Full Wave Rectified (IFC-200), MPS-400 Filtered (IFC-400)
- UL Listed as a Special Application Power Supply
- Signaling Line Circuit (SLC) voltage: 15-28 VDC
- SLC maximum resistance: 40 ohms
- maximum SLC cable: 10,000 feet

ACPS-2406

The ACPS-2406 Circuit Specifications are:

- ACPS-2406 used with the IFC-1010/2020, IFC-400, IFC-200, IFC-100, and IFC-640 control panels
- NAC Power: Filtered
- UL Listed as a Special Application Power Supply

IFC-640*
(M302MJ)

The IFC-640 Circuit Specifications are:

- NAC Power: Filtered
- UL Listed as a Special Application Power Supply
- SLC voltage: 24 VDC nominal, 27.6 VDC maximum
- maximum SLC cable: 12,500 feet per channel or 10,000 feet total loop or circuit length
- SLC maximum current: 400 mA
- SLC maximum resistance: 40 ohms

XPIQ* Quad
Intelligent
Audio
Transponder

The XPIQ Quad Intelligent Audio Transponder Circuit Specifications are:

- XPIQ used with the IFC-1010/2020, IFC-400, and IFC-640
- NAC Power: Filtered
- UL Listed as a Special Application Power Supply

IMPORTANT: *Control panels using Special Application power supplies must use the notification appliances or relays listed in this document for the IFC panel to which they are to be connected.
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FM-Approved Releasing Devices

The following devices are Device Compatibility Listed with the FC-2000, IFC-200, IFC-400, IFC-640, IFC-1010, and IFC-2020.

Table 4: Solenoid Group A

Valve	Model	VDC	Watts	Current (mA)	NPS	Orifice
Skinner Solenoid Skinner™ Valve Division	LV2LBX25	24	11	458	1/2	5/8

Table 5: Solenoid Group B

Valve	Model	VDC	Watts	Current (mA)	NPS	Orifice
ASCO® Solenoid	8210A107	24	16.8	700	1/2	5/8
ASCO Solenoid	R8210A107	24	16.8	700	1/2	5/8
ASCO Solenoid	T8210A107	24	16.8	700	1/2	5/8

IMPORTANT: Refer to the *Factory Mutual Approval Guide* for automatic control valves that are compatible with the solenoids listed above.

Refer to the *Factory Mutual Approval Guide* for automatic control valves that are compatible with the solenoids listed above.

Table 6: Solenoid Group C

Valve	Part Number	VDC	Watts	Current (mA)	NPS	Orifice
Star® Sprinkler Corporation Solenoid	5550	24	n/a	n/a	n/a	n/a

Table 7: Solenoid Group G

Valve	Part Number	VDC	Watts	Current in Amperes
Kidde-Fenwal® Electric Control Head	890181	24	n/a	2.0
Kidde-Fenwal Electric and Cable Op Control Head (XP)	897494	24	33	1.5
Kidde-Fenwal Electric Control Head	899175	24	n/a	2.0
Kidde-Fenwal Electric Control Head Stackable (XP)	48650001	24	n/a	0.2

IMPORTANT: Refer to the *Factory Mutual Approval Guide* for automatic control valves that are compatible with the solenoids listed above.

UL Listed 24 VDC Relays

The following relay assemblies are Device Compatibility Listed with the components in the *Circuit Specifications* section.

Table 8: UL Listed 24 VDC Relays

Vendor	Model	Current (mA)
System Sensor	A77-716B	20
Air Products and Controls, LTD	MR-101/CR	15
	MR-201-C	35
	PAM-1	15
	PAM-2	15

UL Listed Surge Suppressors

The following surge suppressors are Device Compatibility Listed with the IFC-200, IFC-400, IFC-640, and the IFC-1010/2020 fire alarm panels.

Table 9: UL Listed Surge Suppressors

Model	Description	Vendor
2LVLP-F	SLC Surge Suppressor	Ditek® Corporation
PLP-42N	SLC Surge Suppressor	Northern Technologies
SLCP-30	SLC Surge Suppressor	Edco, Inc.

24 VDC Door Holders

The following door holder assemblies are Device Compatibility Listed for use with the components in the *Circuit Specifications* section.

Table 10: 24 VDC Door Holders

Model	Type	Current (mA)
DH150A	Floor Mount	96
DH154A	Flush Mount	96
DH158A	Surface Mount	96
FM980*	Floor Mount, Single	68
FM986*	Surface Wiring	68
FM998*	Concealed Wiring	68

* Manufactured by Firemark® (Rixson-Firemark).

UL Listed Notification Appliances

UL Listed Notification Appliances (Compatible with IFC-1010/2020, IFC-3030, IFC-200, IFC-400, IFC-640, FC-2000) System Sensor

Note: Note: Control units with power supplies that are UL Listed as **Special Application** power supplies, must use the notification appliances or relays listed in this document. Control units with power supplies that are UL Listed as **UL Regulated** can use any Listed 24 VDC indicating appliance. (Electrically regulated power supplies are not listed by UL as **Regulated**, unless they pass that testing criterion). All of the devices listed below are 24 VDC unless marked by asterisks.

Table 11: UL Listed Notification Appliances

Model Number	Description
BBSC	Mounting Plate
BSCW	Mounting Plate
CH 12/24	Electronic Chime/Sounder
H12	SpectrAlert® Horn
H12A	SpectrAlert Horn
H24	SpectrAlert Horn
H24A	SpectrAlert Horn
MA-12/24D	Red Electronic Sounder*
MA-12/24DB	Beige Electronic Sounder*
MAEH1215ADA	Multi Alert Horn with Mechanical Tone/Strobe
MAEH121575ADA	Multi Alert Horn with Mechanical Tone/Strobe
MA12/24EH	Multi Alert Horn with Mechanical Tone
MAEH24110ADA	Multi Alert Horn with Mechanical Tone/Strobe
MAEH241575ADA	Multi Alert Horn with Mechanical Tone/Strobe
MAEH241575ADAS	Multi Alert Horn with Mechanical Tone/Strobe
MAEH2415ADA	Multi Alert Horn with Mechanical Tone/Strobe
MAEH2415ADAS	Multi Alert Horn with Mechanical Tone/Strobe
MAEH2475ADA	Multi Alert Horn with Mechanical Tone/Strobe
MAEH24LO	Multi Alert Horn with Mechanical Tone/Strobe
MAEH24LOC	Multi Alert Horn with Mechanical Tone/Strobe
MAEH24LOLA	Multi Alert Horn with Mechanical Tone/Strobe
MAEH24M	Multi Alert Horn with Mechanical Tone/Strobe
MAEH24MC	Multi Alert Horn with Mechanical Tone/Strobe
MASS12D	Red Electronic Sounder/Strobe**
MASS12LO	Electronic Sounder/Strobe**
MASS1215ADA	Red Sounder/Signaling Strobe*
Continued on next page . . .	

* 12/24 VDC Device

** 12 VDC Device

Model Number (Cont.)	Description
MASS121575ADA	Red Sounder/Signaling Strobe*
MASS24D	Electronic Sounder/Strobe
MASS24LO	Red Electronic Sounder/Strobe
MASS24LOC	Electronic Ceiling Sounder/Strobe
MASS24LOLA	Electronic Sounder/Strobe with Fuego Lens
MASS24M	Red Electronic Sounder/Strobe
MASS24MB	Beige Electronic Sounder/Strobe
MASS24MC	Electronic Ceiling Sounder/Strobe
MASS2415ADA	Red Sounder/Signaling Strobe
MASS2415ADAS	Red Sounder/Synchronized Strobe
MASS2475ADA	Red Sounder/Signaling Strobe
MASS241575ADA	Red Sounder/Signaling Strobe
MASS241575ADAS	Red Sounder/Synchronized Strobe
MDL/MDLW	Synchronized Modules for use with SpectrAlert Series
P1215	SpectrAlert Horn/Strobe
P121575	SpectrAlert Horn/Strobe
P24110	SpectrAlert Horn/Strobe
P24110A	SpectrAlert Horn/Strobe
P24115W	SpectrAlert Horn/Strobe
P2415	SpectrAlert Horn/Strobe
P2415A	SpectrAlert Horn/Strobe
P241575	SpectrAlert Horn/Strobe
P241575A	SpectrAlert Horn/Strobe
P2430	SpectrAlert Horn/Strobe
P2475	SpectrAlert Horn/Strobe
P2475A	SpectrAlert Horn/Strobe
PA400R	Red Sounder*
PC24177	Ceiling Mount Horn/Strobe
PS12LO	Red Add-on Strobe*
PS24LO	Red Add-on Strobe
PS2415ADA	Mini-Sounder/Strobe
PS2475ADA	Mini-Sounder/Strobe
PS24110ADA	Mini-Sounder/Strobe
PS241575ADA	Mini-Sounder/Strobe
RP2415ADA	Retrofit Strobe Plate
RP2475ADA	Retrofit Strobe Plate
RP24110ADA	Retrofit Strobe Plate
RP241575ADA	Retrofit Strobe Plate
S1215	SpectrAlert® Strobe
S121575	SpectrAlert Strobe
S2415	SpectrAlert Strobe
S2415A	SpectrAlert Strobe
S2475	SpectrAlert Strobe
S24110	SpectrAlert Strobe
S24110A	SpectrAlert Strobe
S241575	SpectrAlert Strobe
S241575A	SpectrAlert Strobe
Continued on next page . . .	

* 12/24 VDC Device

Model Number (Cont.)	Description
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SC24115	Ceiling Mount Strobe
SC24177	Ceiling Mount Strobe
SP100W24LOC	Calling Speaker/Strobe, 8 in., Round Grille
SP100W24MC	Calling Speaker/Strobe, 8 in., Round Grille
SP101R24LO	Red Speaker/Strobe, 5 in., Square Grille
SP101R24M	Red Speaker/Strobe, 5 in., Square Grille
SP1R2415ADA	Red Speaker/Signaling Strobe
SP1R2475ADA	Red Speaker/Signaling Strobe
SP1R24110ADA	Red Speaker/Signaling Strobe
SP1R241575ADA	Red Speaker/Signaling Strobe
SP2C24115	Ceiling Mount Speaker/Strobe
SP2C24177	Ceiling Mount Speaker/Strobe
SP2R2415	Red Speaker/Strobe
SP2R2430	Red Speaker/Strobe
SP2R2475	Red Speaker/Strobe
SP2R24110	Red Speaker/Strobe
SP2R2415/75	Red Speaker/Strobe
SS12	Strobe**
SS12LO	Red Strobe**
SS1215ADA	Red Signaling Strobe*
SS121575ADA	Red Signaling Strobe*
SS24	Strobe
SS24LO	Red Strobe
SS24LOB	Beige Strobe**
SS24LOC	Red Ceiling Strobe
SS24M	Red Strobe
SS24MC	Ceiling Strobe
SS2415ADA	Red Signaling Strobe
SS2415ADAS	Red Synchronized Strobe
SS2475ADA	Red Signaling Strobe
SS24110ADA	Red Signaling Strobe
SS241575ADA	Red Signaling Strobe
SS241575ADAS	Red Synchronized Strobe
SSM24-6	Alarm Bell
SSM24-6A	Alarm Bell
SSM24-8	Alarm Bell
SSM24-8A	Alarm Bell
SSM24-10	Alarm Bell
SSM24-10A	Alarm Bell
V4R2415ADA	Speaker/Signaling Strobe
V4R2475ADA	Speaker/Signaling Strobe
V4R24110ADA	Speaker/Signaling Strobe
V4R241575ADA	Speaker/Signaling Strobe

* 12/24 VDC Device

** 12 VDC Device

Wheelock, Inc.

All of the devices listed below are 24 VDC unless marked by asterisks.

Table 12: UL Listed Notification Appliances

Model Number	Description
7002T-24	Horn with Strobe
AES-DL1-LSM-24	Multi-Tone Signal
AES-DL1-WM-24-VF-R	Multi-Tone Signal
AES-EL1-LSM-24	Multi-Tone Signal
AES-EL1-WM-24-VF-R	Multi-Tone Signal
AH-24	Horn
AH-24WP	Horn
AMT-12/24	Multi-Tone Horn
AMT-12-LS-VFR	Multi-Tone Horn
AMT-12-LSM-VFR	Multi-Tone Horn Strobe
AMT-24-IS-VFR	Multi-Tone Horn Strobe
AMT-24-LS-VFR	Multi-Tone Horn Strobe
AMT-24-LSM-VFR	Multi-Tone Horn Strobe
AS-1215	Audible Strobe
AS-121575	Audible Strobe
AS-2415C	Audible Strobe
AS-2415W	Horn/Strobe
AS-2430	Audible Strobe
AS-2430W	Horn/Strobe
AS-2475C	Audible Strobe
AS-2475W	Horn/Strobe
AS-24100C	Horn/Strobe
AS-24110W	Horn/Strobe
AS-241575	Horn/Strobe
AS-24MCW-FW/R	Multi-candela Audible Strobe
CH70-2415W	Chime with Strobe
CH70-24	Chime
CH70-2430	Chime with Strobe
CH70-2475	Chime with Strobe
CH70-241575	Chime with Strobe
CH70-24MCW-FW/R	Multi-candela Chime Strobe
Continued on next page . . .	

Model Number (Cont.)	Description
CH70-24MCW-FW	Multi-candela Chime Strobe
CH90-24	Chime
CH-CF1-IS-24-CFW	Ceiling Chime with 75 cd Strobe
CH-CF1-LS-24-CFW	Ceiling Chime with 15 cd Strobe
CH-CF1-MS-24-CFW	Ceiling Chime with 30 cd Strobe
CH-DF1-IS-24-VFR	Chime with 75 cd Strobe
CH-DF1-LS-24-VFR	Chime with 15 cd Strobe
CH-DF1-LSM-24-VFR	Chime with 15/75 cd Strobe
CH-DF1-MS-24-VFR	Chime with 30 cd Strobe
DSM-12/24-R	Synchronization Module
E70-R	Speaker
E70-2415W-FR	Speaker with Strobe
E70-2430W-FR	Speaker with Strobe
E70-2475W-FR	Speaker with Strobe
E70-24110W-FR	Speaker with Strobe
E70-241575W-FR	Speaker with Strobe
E70-24MCW-FR	Multi-candela Speaker Strobe
E70-24MCW-FW	Multi-candela Speaker Strobe
E-70-IS-24	Low Profile Speaker/Strobe
E-70-LS-24	Low Profile Speaker/Strobe
E-70-LSM-24	Low Profile Speaker/Strobe
E-70-MS-24	Low Profile Speaker/Strobe
E-7025-LS-VFR	Speaker with 15 cd Strobe
E-7025-SLM-VFR	Speaker with 15/75 cd Strobe
E-7025-LS-VFR	Speaker with Strobe
E-7025-SLM-VFR	Speaker with Strobe
E-7070-LS-VFR	Speaker with 15 cd Strobe
E-7070-LSM-VFR	Speaker with 15/75 cd Strobe
E-7070-LS-VFR	Speaker with Strobe
E-7070-SLM-VFR	Speaker with Strobe
E90-2415C	Speaker with Strobe
Continued on next page . . .	

Suffix Code for Table 12:

- C: Ceiling lens
- H: Horizontal lens
- V: Vertical lens
- F: Fire lettering
- R: Red plate
- W: White plate

Model Number (Cont.)	Description
E90-2430C	Speaker with Strobe
E90-2475C	Speaker with Strobe
E90-24100C	Speaker with Strobe
E90-W	Speaker
E-90-IS-24	Low Profile Speaker/Strobe
E-90-LS-24	Low Profile Speaker/Strobe
E-90-MS-24	Low Profile Speaker/Strobe
E-9025-LS-CFW	Ceiling Speaker with 15 cd Strobe
E-9070-LS-CFW	Speaker with 15 cd Strobe
EH-DL1-WM-24-VF-R	Electronic Horn Strobe
EH-EL1-WM-24-VF-R	Electronic Horn Strobe
ET-1070-IS-24-VFR	Speaker with 75 cd Strobe
ET-1070-LS-24-VFR	Speaker with 15 cd Strobe
ET-1070-LSM-24-VFR	Speaker with 15/75 cd Strobe
ET-1070-MS-24-VFR	Speaker with 30 cd Strobe
ET-1070-LS-VFR	Speaker with Strobe
ET-1070-SLM-VFR	Speaker with Strobe
ET-1080-IS-24-VFR	Speaker with 75 cd Strobe
ET-1080-LS-24-VFR	Speaker with 15 cd Strobe
ET-1080-LSM-24-VFR	Speaker with 15/75 cd Strobe
ET-1080-MS-24-VFR	Speaker with 30 cd Strobe
ET-1080-LS-VFR	Speaker with Strobe
ET-1080-SLM-VFR	Speaker with Strobe
ET-1090-IS-24-CFW	Speaker with 75 cd Strobe
ET-1090-LS-24-CFW	Speaker with 15 cd Strobe
ET-1090-LS-CFW	Speaker with Strobe
ET70-R	Speaker with Strobe
ET70	Speaker with Strobe
ET70-2415W-FR/FW	Speaker with Strobe
Continued on next page . . .	

Suffix Code for Table 12:

- C: Ceiling lens
- H: Horizontal lens
- V: Vertical lens
- F: Fire lettering
- R: Red plate
- W: White plate

Model Number (Cont.)	Description
ET70-2430W-FR/FW	Speaker with Strobe
ET70-2475W-FR/FW	Speaker with Strobe
ET70-24110W-FR/FW	Speaker with Strobe
ET70-241575W-FR/FW	Speaker with Strobe
ET70-24MCW-FR	Multi-Candela Speaker Strobe
ET70-24MCW-FW	Multi-Candela Speaker Strobe
ET90	Speaker with Strobe
ET90-2415C-FW	Speaker with Strobe
ET90-2430C-FW	Speaker with Strobe
ET90-2475C-FW	Speaker with Strobe
ET90-24100C-FW	Speaker with Strobe
HSW-24-HFR	110 cd Strobe
HSPW-24-HFR	110 cd Strobe
HS2W-HFR	110 cd Strobe
IS-24-VFR	75 cd Strobe
IS1-24-VFR	75 cd Strobe
IS3-24-VFR	75 cd Strobe
ISP-24-VFR	75 cd Strobe
LS-24-VFR	15 cd Strobe
LSM-24-VFR	15/75 cd Strobe
LSP-12-VFR	15 cd Strobe*
LSP-24-HFR	15 cd Strobe
LSPM-12-VFR	15/75 cd Strobe*
LSPM-24-VFR	15/75 cd Strobe
LS1-12-VFR	15 cd Strobe*
LS1-24-VFR	15 cd Strobe
LS3-24-VFR	15 cd Strobe
LS1M-12-VFR	15/75 cd Strobe*
LS1M-24-VFR	15/75 cd Strobe
LS3M-24-VFR	15/75 cd Strobe
MB-G6-24-R	Motor Bell, 6 in. Gong
MB-G10-24-R	Motor Bell, 10 in. Gong
MBS-G6-24-R	Motor Bell/Strobe, 6 in. Gong
MBS-G10-24-R	Motor Bell/Strobe, 10 in. Gong
MiZ-12	MiniPiezo Horn
MIZ-24-HSW-HFR	110 cd, Mini Horn
MIZ-24-IS-VFR	Mini Horn with 75 cd Strobe
Continued on next page . . .	

* 12/24 VDC Device

Suffix Code for Table 12:

- C: Ceiling lens
- H: Horizontal lens
- V: Vertical lens
- F: Fire lettering
- R: Red plate
- W: White plate

Model Number (Cont.)	Description
MIZ-24-LS-VFR	Mini Horn with 15 cd Strobe
MIZ-24-LSM-VFR	Mini Horn with 15/75 cd Strobe
MIZ-24-MS-VFR	Mini Horn with 30 cd Strobe
MIZ-24	MiniPiezo Horn
MIZ-24-W	Mini Piezo Horn
MIZ-24-WM-VFR	Mini Horn
MS1-12-VFR	30 cd Strobe*
MS1-24-VFR	30 cd Strobe
MS3-24-VFR	30 cd Strobe
MSP-12-VFR	30 cd Strobe*
MSP-24-HFR	30 cd Strobe
MT-12/24-R	Multi-Tone Horn
MT-24-IS-VFR	Multi-Tone Horn with 75 cd Strobe
MT-24-LS-VFR	Multi-Tone Horn with 15 cd Strobe
MT-24-LSM-VFR	Multi-Tone Horn with 15/75 cd Strobe
MT-24-MS-VFR	Multi-Tone Horn with 30 cd Strobe
MT-24-SL-VFR	Multi-Tone/Strobe
MT-24-SLM-VFR	Multi-Tone/Strobe
MT-24-WM-VFR	Strobe/Horn 117 cd
MT4-24-IS-VFR	Multi-Tone Horn with 75 cd Strobe
MT4-24-LS-VFR	Multi-Tone Horn with 15 cd Strobe
MT4-24-MS-VFR	Multi-Tone Horn with 30 cd Strobe
NS-121575W-FR	Horn Strobe
NS-2415W-FR	Horn Strobe
NS-2430W-FR	Horn Strobe
NS-2475W-FR	Horn Strobe
NS-24110W-FR	Horn Strobe
Continued on next page . . .	

* 12/24 VDC Device

Suffix Code for Table 12:

- C: Ceiling lens
- H: Horizontal lens
- V: Vertical lens
- F: Fire lettering
- R: Red plate
- W: White plate

Model Number (Cont.)	Description
NS-241575W-FR	Horn Strobe
NS-24MCW-FR	Multi-Candela Horn Strobe
NS-24MCW-FW	Multi-Candela Horn Strobe
NS4-121575W-FR	Horn Strobe
NS4-2415W-FR	Horn Strobe
NS4-2430W-FR	Horn Strobe
NS4-2475W-FR	Horn Strobe
NS4-24110W-FR	Horn Strobe
NS4-241575W-FR	Horn Strobe
NS4-24MCW-FR	Multi-Candela Horn Strobe
NS4-24MCW-FW	Multi-Candela Horn Strobe
RS-2415W-FR	Strobe
RS-2430W-FR	Strobe
RS-2475W-FR	Strobe
RS-24110W-FR	Strobe
RS-241575W-FR	Strobe
RSS-1215W-FR	Strobe
RSS-121575W-FR	Strobe
RSS-2415C-FW	Strobe
RSS-2415W-FR	Strobe
RSS-2430C-FW	Strobe
RSS-2430W-FR	Strobe
RSS-2475C-FW	Strobe
RSS-2475W-FR	Strobe
RSS-24110W-FR	Strobe
RSS-241575W-FR	Strobe
RSS-24MCW-FR	Multi-Candela Strobe
RSS-24MCW-FW	Multi-Candela Strobe
RSSP-1215W-FR	Strobe
RSSP-2415W-FR	Strobe
RSSP-2430W-FR	Strobe
RSSP-2475W-FR	Strobe
RSSP-241575W-FR	Strobe
RSSP-24MCW-FR	Multi-Candela Strobe Plate
RSSP-24MCW-FW	Multi-Candela Strobe Plate
Continued on next page . . .	

Suffix Code for Table 12:

- C: Ceiling lens
- H: Horizontal lens
- V: Vertical lens
- F: Fire lettering
- R: Red plate
- W: White plate

Model Number (Cont.)	Description
SCM-24-R	Synchronized Controller Module
SH2W-24-HFR	Strobe
SHW-24-HFR	Strobe
SHPW-24-HFR	Strobe
SL-24-VFR	Strobe
SL1-24-VFR	Strobe
SL1M-24-VFR	Strobe
SL3-24-VFR	Strobe
SL3M-24-VFR	Strobe
SLM-24-VFR	Strobe
SLP-24-VFR	Strobe
SLPM-24-VFR	Strobe
SM-12/24	Synchronization Module
SR-2415	Synchronized Strobe
SR-241575	Synchronized Strobe
STH-15S	Loud Speaker
WM1T-24-FR	Strobe
WM3T-24-FR	Strobe
WMT-24-FR	Strobe

Suffix Code for Table 12:

- C: Ceiling lens
- H: Horizontal lens
- V: Vertical lens
- F: Fire lettering
- R: Red plate
- W: White plate

Note: Control units with power supplies that are UL Listed as **Special Application** power supplies must use the notification appliances or relays listed in this document. Control units with power supplies that are UL Listed as UL **Regulated** can use any Listed 24 VDC indicating appliance. (Electrically, regulated power supplies are not listed by UL as **Regulated**, unless they pass that testing criterion.)

All of the devices listed below are 24 VDC unless marked by asterisks.

Table 13: UL Listed Notification Appliances

Model Number	Description
GMH-24	Electro-Mechanical Horn
GMS-24-15	Electro-Mechanical Horn/Strobe
GMS-24-15-1	Electro-Mechanical Horn/Strobe
GMS-24-110	Electro-Mechanical Horn/Strobe
GMS-24-110-1	Electro-Mechanical Horn/Strobe
GMS-24-1575-1	Electro-Mechanical Horn/Strobe
GMS-24-3075	Electro-Mechanical Horn/Strobe
GOS-24-15-1	Multi-Tone Horn/Strobe
GOS-24-110-1	Multi-Tone Horn/Strobe
GOS-24-1575	Multi-Tone Horn/Strobe
GOS-24-3075	Multi-Tone Horn/Strobe
GOT-24	Multi-Tone Horn
GX-90-4	Horn
GX90S-4-15	Horn with Strobe
GX90S-4-15-1	Horn with Strobe
GX90S-4-110	Horn with Strobe
GX90S-4-110-1	Horn with Strobe
GX90S-4-1575	Horn with Strobe
GX-90S-4RH and -4BH	Horn with Strobe
GX-90S-4RL and -4BL	Horn with Strobe
GXS-4-15	Strobe
GXS-4-15-1	Strobe
GXS-4-110	Strobe
GXS-4-110-1	Strobe
GXS-4-1575	Strobe
GXS-4-3075	Strobe
GXS-4RH, 4BH, 4RL, 4BL	Strobes
HG124	Electronic Horn
SHG-24H	Electronic Horn with Strobe
SHG-24L	Electronic Horn with Strobe
SHG24-15	Electronic Horn with Strobe
SHG24-15-1	Electronic Horn with Strobe
SHG24-60	Electronic Horn with Strobe
SHG24-110	Electronic Horn with Strobe
SHG24-110-1	Electronic Horn with Strobe
SHG24-1575	Electronic Horn with Strobe
SHG24-3075	Electronic Horn with Strobe
SPK4-15	Speaker with Strobe
SPK4-15-1	Speaker with Strobe
SPK4-110	Speaker with Strobe
Continued on next page . . .	

Model Number (Cont.)	Description
SPK4-110-1	Speaker with Strobe
SPK4-1575	Speaker with Strobe
SPK4-24-3075	Speaker with Strobe
SPK8-15	Speaker with Strobe
SPK8-15-1	Speaker with Strobe
SPK8-110	Speaker with Strobe
SPK8-110-1	Speaker with Strobe
SPK8-1575	Speaker with Strobe
SPK8-24-3075	Speaker with Strobe
SPKE4	Speaker
SPKE4-15-1	Speaker with Strobe
SPKE4-15/75	Speaker with Strobe
SPKE4-15/75-C	Speaker with Strobe
SPKE4-30/75	Speaker with Strobe
SPKE4-60	Speaker with Strobe
SPKE4-110-1B	Speaker with Strobe
SPKE8	Speaker
SPKE8-110-1	Speaker with Strobe
SPKE8-15/75	Speaker with Strobe
SPKE8-15/75-C	Speaker with Strobe
SPKE8-15-1	Speaker with Strobe
SPKE8-30/75	Speaker with Strobe
SPKE8-60	Speaker with Strobe
WGMS-24-75	Weatherproof Electro-Mechanical Horn/Strobe

UL Listed Four-Wire Smoke Detectors

UL Listed
Smoke
Detectors
(Compatible
with
IFC-200,
IFC-400,
IFC-640,
IFC-1010,
IFC-2020,
FC-2000

Table 14: UL Listed Four-Wire Smoke Detectors

Smoke Detector/Base	Detector Type	Maximum Standby Current (mA)
System Sensor Detectors		
1424		
1424A	Ionization	.010
1451 (with B402 Base)	Ionization	0.10
2112/24R	Photoelectric	0.50
2112/24TR	Photoelectric	0.50
2112/24ATR	Photoelectric	0.50
2112/24AIR	Photoelectric	0.50
2424	Photoelectric	0.10
2424TH	Photoelectric	0.10
2451	Photoelectric	0.10
2451TH (with B402 Base)	Photoelectric	0.10
B404B	Base	
B612LP	Base	
B614LP	Base	
DH100ACDC	Ionization Duct	0.12
DH100ACDCLP	Photoelectric	0.15
DH400ACDCI	Ionization Duct	25
DH400ACDCP	Photoelectric Duct	25
2W-MOD	Loop Test and Maintenance Module	30
4W-B (12/24 Volt)	Photoelectric I ³	0.05
4WT-B (12/24 Volt)	Photoelectric I ³ with Therm	0.05
Continued on next page . . .		

Smoke Detector/Base Cont.	Detector Type	Maximum Standby Current (mA)
Hochiki Corporation Detectors		
SPB-24	Projected Beam	0.25
HS-2 RB/4	Base	
Fenwal Detectors		
CPD-7021 (w/70-201000-005 Base)	Ionization	0.10
PSD-7125	Photoelectric	0.10
PSD7126 (w/70-201000-005 Base)	Photoelectric	0.10
Gentex Detectors		
824	Photoelectric	0.50
824T	Photoelectric	0.50
824CP	Photoelectric	0.50
824CPT	Photoelectric	0.50



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