

**Conventional Zone Interface Module
P/N 55-055 and 55-060**

**2-Wire Detector
Compatibility Document**



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INTRODUCTION

Fike's Conventional Zone Interface Modules (CZM) provide an interface between Fike's CyberCat Intelligent fire alarm panels and two wire conventional detectors. The module transmits the status (normal, open, or alarm) of one full zone of conventional detectors back to the associated control panel.

All two wire detectors being monitored must be Underwriters Laboratories, Inc. (UL®) compatible with this module to ensure proper operation. The following list identifies the two wire detectors that UL® has confirmed are electrically compatible with CZM. The list also states the maximum number of detectors that can be connected to the CZM based on UL testing.

This should provide you with all the information you require for determination of detector compatibility and circuit limitations. It should also be sufficient information for you to answer any questions raised by the AHJ (Authority Having Jurisdiction) regarding detector compatibility on any projects. The following list of compatible detectors is subject to change without notice.

COMPATIBLE FIKE CONTROL PANELS

CyberCat 50, P/N 10-070

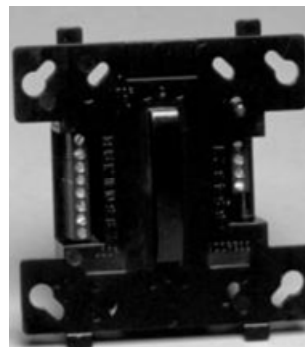
CyberCat 245, P/N 10-064

CyberCat 1016, P/N 10-066

ORDERING INFORMATION

Conventional Zone Interface, P/N 55-055

Conventional Zone Interface w/ built-in short circuit isolators, P/N 55-060



Conventional Zone Interface Module

SPECIFICATIONS

Operating Voltage	15 – 30VDC
Average Operating Current	0.5mA
Maximum Alarm Current	2.1mA
EOL Resistor	3.9k Ohms
Maximum IDC wiring resistance	25 Ohms
IDC supply voltage	24VDC power limited 90mA per module
Temperature Range	32°F to 120°F (0°C to 49°C)
Humidity	10% to 93% Non-condensing
Mounting	4-inch square electrical boxes

Apollo

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S5022	55000 SERIES	MDL NO	45681-200	MDL NO	B	20	3.9K OHM

Cerberus Pyrotronics

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S5671	DI-6	MDL NO	DB-4	MDL NO	B,D	30	3.9K OHM

Detection Systems

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S3019	DS250/DS250TH	B	MB2W/MB2WL	A	B	20	3.9K OHM
S3019	DS250HD	B	MB2W/MB2WL	A	B	20	3.9K OHM

DSC

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S7060	FSA-210SERIES	FS200	N/A	N/A	B/D	40	2.2K OHM

Edwards

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S853	6250B	001	6251B-001	001	B	12	3.9K OHM
S853	6264B	001	N/A	N/A	B	1	3.9K OHM
S853	6270B	001	6251B-001	001	B/D	12	3.9K OHM

ESL

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1125	425C,425CT	S10	601U	S00	B	24	3.9K OHM
S1125	425CR,425CRT	S11	601U	S00	B	24	3.9K OHM
S1125	429C,429CT	S10A	N/A	N/A	B	24	3.9K OHM
S1125	429CRT,429CST	S11A	N/A	N/A	B	24	3.9K OHM
S1125	521B,521BXT	S10A	N/A	N/A	B	24	3.9K OHM
S1125	611U,611UD,611U	S10	601U,602U	S00,S0	B	24	3.9K OHM
S1125	612UD	S10	601U	S00	B	24	3.9K OHM
S1125	711U,712U	S10A	701E,701U,702E	S00	B	24	3.9K OHM
S1125	713-5U,713-6U	S10A	701E,701U,702E	S00	B	24	3.9K OHM
S1125	721U,721UT	S10A	N/A	N/A	B	24	3.9K OHM

EST

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S853	EC20RRU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	EC3OU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	MC20RRU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	MC3OU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	SC20RRU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	SC3OU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	ZC20RRU-3	A	CSBU-1	A	B,D	20	3.9K OHM
S853	ZC3OU-3	A	CSBU-1	A	B,D	20	3.9K OHM

FENWAL

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1064	CPD-7021	I1FE1	70-201002-000	D22FE1	B	1	3.9K OHM
S1064	CPD-7021	I1FE1	70-201002-001	FE01A	B	24	3.9K OHM
S1064	CPD-7021	I1FE1	70-201002-002	FE02A	B	24	3.9K OHM
S1064	CPD-7021	I1FE1	70-201002-003	FE03A	B	24	3.9K OHM
S1064	CPD-7021	I1FE1	70-201002-005	FE05A	B	24	3.9K OHM
S1064	CPD-7051	I51FE1	2-WIRE	FE51A	B	24	3.9K OHM
S1064	CPD-7051	I51FE1	70-201000-001	FE01A	B	24	3.9K OHM
S1064	CPD-7051	I51FE1	70-201000-002	FE02A	B	24	3.9K OHM
S1064	CPD-7051	I51FE1	70-201000-003	FE03A	B	24	3.9K OHM
S1064	CPD-7051	I51FE1	70-201000-005	FE05A	B	24	3.9K OHM
S1064	PSD-7125	P5FE1	70-201002-005	FE05A	B	24	3.9K OHM
S1064	PSD-7125	P5FE1	70-201002-003	FE03A	B	24	3.9K OHM
S1064	PSD-7125	P5FE1	70-201002-002	FE02A	B	24	3.9K OHM
S1064	PSD-7125	P5FE1	70-201002-001	FE01A	B	24	3.9K OHM
S1064	PSD-7126	P6FE1	70-201002-001	FE01A	B	24	3.9K OHM
S1064	PSD-7126	P6FE1	70-201002-002	FE02A	B	24	3.9K OHM
S1064	PSD-7126	P6FE1	70-201002-003	FE03A	B	24	3.9K OHM
S1064	PSD-7126	P6FE1	70-201002-005	FE05A	B	24	3.9K OHM
S1064	PSD-7129	P9FE1	70-201002-000	D22FE1	B	1	3.9K OHM
S1064	PSD-7155	P55FE1	2-WIRE	FE51A	B	24	3.9K OHM
S1064	PSD-7155	P55FE1	70-201000-001	FE01A	B	24	3.9K OHM
S1064	PSD-7155	P55FE1	70-201000-005	FE05A	B	24	3.9K OHM
S1064	PSD-7155	P55FE1	70-201000-003	FE03A	B	24	3.9K OHM
S1064	PSD-7155	P55FE1	70-201000-002	FE02A	B	24	3.9K OHM
S1064	PSD-7155	P55FE1	70-201000-001	FE01A	B	24	3.9K OHM
S1064	PSD-7156	P56FE1	2-WIRE	FE51A	B	24	3.9K OHM
S1064	PSD-7156	P56FE1	70-201000-001	FE01A	B	24	3.9K OHM
S1064	PSD-7156	P56FE1	70-201000-001	FE01A	B	24	3.9K OHM
S1064	PSD-7156	P56FE1	70-201000-002	FE02A	B	24	3.9K OHM
S1064	PSD-7156	P56FE1	70-201000-003	FE03A	B	24	3.9K OHM
S1064	PSD-7156	P56FE1	70-201000-005	FE05A	B	24	3.9K OHM

FIKE

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S4021	60-1029	HD-3	67-1036,67-1034	HB-5	B/D	12	3.9K OHM
S4021	60-1030	HD-3	67-1036,67-1034	HB-5	B/D	12	3.9K OHM
S4021	63-1024	HD-3	67-1036,67-1034	HB-5	B/D	12	3.9K OHM
S4021	63-1025	HD-3	67-1036,67-1034	HB-5	B/D	12	3.9K OHM
S4021	671033	HD-3	67-1036,67-1034	HB-5	B/D	12	3.9K OHM

GAMEWELL

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1195	71034,71033	MDL NO	71036	MDL NO	B	20	3.9K OHM

HOCHIKI

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1383	SIH-24F	HD-3	HSB-220	HB-56	B	25	3.9K OHM
S1383	SIH-24F	HD-3	HS-22D/YBA-M22	HB-3	B	25	3.9K OHM
S1383	SIH-24F	HD-3	HS-2-RB	HB-10	B	1	3.9K OHM
S1383	SLK-24F/-24FH	HD-3	HSB-220	HB-56	B	25	3.9K OHM
S1383	SLK-24F/-24FH	HD-3	HS-22D/YBA-M22	HB-3	B	25	3.9K OHM
S1383	SLK-24F/-24FH	HD-3	HS-2-RB	HB-10	B	1	3.9K OHM
S1383	SLR-835B-2	HD-6	N/A	N/A	B	12	3.9K OHM

HONEYWELL

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1196	TC804C1001	A	B110LP,DH400	A	B	20	3.9K OHM
S1196	TC804C1001	A	B401,B401B	A	B	20	3.9K OHM
S1196	TC804C1019	A	B110LP,DH400	A	B	20	3.9K OHM
S1196	TC804C1019	A	B401,B401B	A	B	20	3.9K OHM
S1196	TC804D1009	A	B401,B401B	N/A	B	20	3.9K OHM
S1196	TC804D1009	A	B110LP,DH400	A	B	20	3.9K OHM
S1196	TC805C1000	A	B401,B401B	A	B	20	3.9K OHM
S1196	TC805C1000	A	B110LP,DH400	A	B	20	3.9K OHM
S1196	TC805D1008	A	BP110LP,DH400	N/A	B	20	3.9K OHM
S1196	TC805D1008	A	B401,B401B	N/A	B	20	3.9K OHM

KIDDE-FENWAL

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1064	CPD 7023	I3FE1	70-201000-005	FE05A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	70-201000-001	FE01A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	70-201000-002	FE02A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	70-201000-003	FE03A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	70-201000-005	FE05A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	DH-22	D22FE1	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	2-WIRE	FE51A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	2 WRLT	FE52A	B,D	20	3.9K OHM
S1064	CPD 7051	I51FE1	DH51	D22FE5	B,D	20	3.9K OHM
S1064	PSD 7134	P14FE1	70-201000-005	FE05A	B,D	20	3.9K OHM
S1064	PSD 7135	P15FE1	70-201000-005	FE05A	B,D	20	3.9K OHM
S1064	PSD 7139	P19FE1	DH-22	D22FE1	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	70-201000-001	FE01A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	70-201000-002	FE02A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	70-201000-003	FE03A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	70-201000-005	FE05A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	DH-22	D22FE1	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	2-WIRE	FE51A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	2-WRB	FE53A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	2-WRB	FE55A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	2 WRLT	FE52A	B,D	20	3.9K OHM
S1064	PSD 7155	P55FE1	DH51	D22FE5	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	70-201000-001	FE01A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	70-201000-002	FE02A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	70-201000-003	FE03A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	70-201000-005	FE05A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	2-WIRE	FE51A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	2-WRB	FE53A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	2-WRB	FE55A	B,D	20	3.9K OHM
S1064	PSD 7156	P56FE1	2 WRLT	FE52A	B,D	20	3.9K OHM

MIRCOM/FALCON

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S6295	525,525T	FDT-1	N/A	N/A	B	24	3.9K OHM

NAPCO

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S6495	FW-2	HD-6	N/A	N/A	B/D	20	3.9K OHM

PYROTRONICS

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S2378	DI-4A	MDL NO	DB-4	MDL NO	B/D	6	3.9K OHM

SIMPLEX

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S1199	2098-9201	HD-3	2098-9211	HB-54	B	20	3.9K OHM
S1199	2098-9202	HD-3	2098-9211	HB-54	B	20	3.9K OHM
S1199	2098-9576	HD-3	2098-9211	HB-54	B	20	3.9K OHM

SYSTEM SENSOR

Detector File Number	Detector Model	Identifier	Base Model	Identifier	Wiring Style	Max Detectors	EOL Device
S911	1100	A	N/A	N/A	B,D	20	3.4K OHM
S911	1151	A	B110LP,B401	A	B,D	20	3.9K OHM
S911	1151EIS	A	B401	A	B	20	3.9K OHM
S911	1400	A	N/A	N/A	B,D	20	3.9K OHM
S911	1451	A	B401,B401B	A	B,D	20	3.9K OHM
S911	2100	A	N/A	N/A	B,D	20	3.4K OHM
S911	2100T	A	N/A	N/A	B,D	20	3.4K OHM
S911	2151	A	B110LP,B401	A	B,D	20	3.9K OHM
S911	2400	A	N/A	N/A	B,D	20	3.9K OHM
S911	2400TH	A	N/A	N/A	B,D	20	3.9K OHM
S911	2451	A	B401,B401B	A	B,D	20	3.9K OHM
S911	2451TH	A	B401,B401B	A	B,D	20	3.9K OHM
S911	2W-B,2WT-B	A	N/A	N/A	B/D	20	3.9K OHM
S911	2WTA-B	A	N/A	N/A	B/D	1	3.9K OHM
S3705	301I	A	301B	N/A	B,D	20	3.9K OHM
S3705	301I	A	301DH-2	N/A	B,D	20	3.9K OHM
S3705	301P	A	301B	N/A	B,D	20	3.9K OHM
S3705	301P	A	301DH-2	N/A	B,D	20	3.9K OHM
S3705	301PT	A	301B	N/A	B,D	20	3.9K OHM
S3705	301T	A	301B	N/A	B,D	20	3.9K OHM
S911	5451EIS	A	B401	A	B	5	3.9K OHM
S911	DH100P	A	N/A	N/A	B	20	3.9K OHM
S3705	SBS-1101	A	N/A	N/A	B,D	20	3.9K OHM
S3705	SBS-1201	A	N/A	N/A	B,D	20	3.9K OHM
S3705	SBS-1201T	A	N/A	N/A	B,D	20	3.9K OHM



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