

# A004 and A008 Foundation Series Fire Alarm Control Unit Two Wire Detector Compatibility Chart

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## Introduction

This compatibility chart shows which smoke detectors are compatible with A004 and A008 Fire Alarm Control Units. See the tables in this document. Read each table's notes, they include important information.

**Note:** Alarm verification applies to alarm signals only from smoke detectors.

- [Simplex detectors](#)
- [Thorn security detectors](#)
- [Autocall detectors](#)
- [ESL/Sentrol detectors](#)
- [FCI detectors](#)
- [Notifier detectors](#)
- [System sensor detectors](#)

## Using the compatibility chart

To use the compatibility chart, complete the following steps:

1. In the top row, locate the control unit's Initiating Device Circuit (IDC) part number.
2. In the left column, locate the detector part number and in the third column, select the base part number.
3. The intersection of the column and row defines the maximum number of detectors on an IDC monitor zone.
4. Do not intermix detectors from different tables on the same IDC. Unless otherwise indicated in the table's notes, you can intermix detectors in the same table without restriction.



## Simplex detectors

Table 1 contains a list of Simplex detectors.

**Table 1: Simplex detectors**

Detector	Description	Bases	Fire Alarm Control Units	
			A004	A008
4098-9401	135FT	n/a	20	30
4098-9402	135RR/FT	n/a	20	30
4098-9403	200FT	n/a	20	30
4098-9404	200RR/FT	n/a	20	30
[GSA]4098-9601	Photo	4098-9788	20	30
		4098-9683. See note 2.	20/1	30/1
[GSA]4098-9602	Photo and heat	4098-9681	20	30
		4098-9788	20	30
[GSA]4098-9605	3.5% Photo	4098-9683. See note 2.	20/1	30/1
		4098-9788	20	30
4098-9612[E] [GSA]4098-9612	135FT	4098-9788	20	30
		4098-9683. See note 2.	20/1	30/1
		4098-9684	20	30
4098-9613[E] [GSA]4098-9613	135RR/FT	4098-9788	20	30
		4098-9683. See note 2.	20/1	30/1
		4098-9684	20	30
4098-9614[E]	200FT	4098-9788	20	30
		4098-9683. See note 2.	20/1	30/1
		4098-9684	20	30
4098-9615[E]	200RR/FT	4098-9788	20	30
		4098-9683. See note 2.	20/1	20/1
		4098-9684	20	20
4098-9685	Duct	n/a	20	30
4098-9688	Duct with relay	n/a	1	1
4098-5601	Photo	4098-5261, 4098-5207. See note 3.	20	30
4098-5602	Photo and Heat	4098-5261, 4098-5207. See note 3.	20	30
4098-5610	Heat 135RR/FT	4098-5261, 4098-5207. See note 3.	20	30
4098-5611	Heat 135FT	4098-5261, 4098-5207. See note 3.	20	30
4098-5612	Heat 200FT	4098-5261, 4098-5207. See note 3.	20	30
4098-5613	Heat 200RR/FT	4098-5261, 4098-5207. See note 3.	20	30
516.900.201	Photo	517.050.047 (4B-UL), 517.050.019 (5B). See note 3.	20	30
516.900.202	Photo and Heat	517.050.047 (4B-UL), 517.050.019 (5B). See note 3.	20	30
516.900.203	Heat 135RR/FT	517.050.047 (4B-UL), 517.050.019 (5B). See note 3.	20	30
516.900.204	Heat 135FT	517.050.047 (4B-UL), 517.050.019 (5B). See note 3.	20	30
516.900.205	Heat 200FT	517.050.047 (4B-UL), 517.050.019 (5B). See note 3.	20	30
516.900.206	Heat 200RR/FT	517.050.047 (4B-UL), 517.050.019 (5B). See note 3.	20	30

**Note:**

1. The compatibility identifier is the model number or mentioned next to the detector and base model number in { } brackets.
2. When you use a relay, use only one detector on an IDC.
3. Do not use these devices on a zone that is programmed for alarm verification.

## Thorn security detectors

Table 2 contains a list of Thorn security devices.

**Table 2: Thorn security devices**

Detector	Description	Bases	Fire Alarm Control Units	
			A004	A008
601P-UL	Photo	4B-UL, 5B, 5BI	17	26
601P-UL-L	3.0% photo	4B-UL, 5B, 5BI	17	26
601PH-UL	Photo and heat	4B-UL, 5B, 5BI	16	24
601PH-UL-L	3.0% Photo and heat	4B-UL, 5B, 5BI	16	24
601H-RF-UL	135RR/FT	4B-UL, 5B, 5BI	17	26
601H-F-UL	135FT	4B-UL, 5B, 5BI	17	26
631H-F-UL	200FT	4B-UL, 5B, 5BI	18	27

**Note:**

1. When you use a relay, use only one detector on an IDC.
2. When you use accessories, use only one detector on an IDC.
3. Do not use these devices on a zone that is programmed for alarm verification.

## Autocall detectors

Table 3 contains a list of compatible Autocall detectors.

**Table 3: Autocall detectors**

Detector	Description	Bases	Fire Alarm Control Units		
			A004	A008	
A4098-9401	135FT	n/a	20	30	
A4098-9402	135RR/FT	n/a	20	30	
A4098-9403	200FT	n/a	20	30	
A4098-9404	200RR/FT	n/a	20	30	
A4098-9601	Photo	A4098-9788	20	30	
		A4098-9683. See note 2.	20/1	30/1	
A4098-9602	Photo and heat	Duct	A4098-9681	20	30
			A4098-9788	20	30
A4098-9605	3.5% photo		A4098-9683. See note 2.	20/1	30/1
			A4098-9788	20	30
A4098-9612	135FT		A4098-9683. See note 2.	20/1	30/1
			A4098-9788	20	30
			A4098-9684	20	30
A4098-9613	135RR/FT		A4098-9683. See note 2.	20/1	30/1
			A4098-9788	20	30
			A4098-9684	20	30
A4098-9614	200FT		A4098-9683. See note 2.	20/1	30/1
			A4098-9788	20	30
			A4098-9684	20	30
A4098-9615	200RR/FT		A4098-9683. See note 2.	20/1	20/1
			A4098-9788	20	30
			A4098-9684	20	20
A4098-9685	Duct	n/a	20	30	
A4098-9688	Duct with relay	n/a	1	1	
A4098-5601	Photo	A4098-5261, A4098-5207. See note 3.	20	30	
A4098-5602	Photo and Heat	A4098-5261, A4098-5207. See note 3.	20	30	
A4098-5610	Heat 135RR/FT	A4098-5261, A4098-5207. See note 3.	20	30	
A4098-5611	Heat 135FT	A4098-5261, A4098-5207. See note 3.	20	30	
A4098-5612	Heat 200FT	A4098-5261, A4098-5207. See note 3.	20	30	
A4098-5613	Heat 200RR/FT	A4098-5261, A4098-5207. See note 3.	20	30	

**Note:**

1. The compatibility identifier is the model number.
2. When you use a relay, use only one detector on an IDC.
3. Do not use these devices on a zone that is programmed for alarm verification.

## ESL or Sentrol detectors

Table 4 contains a list of compatible ESL or Sentrol detectors.

**Table 4: ESL or Sentrol detectors**

Detector	Description	Bases	Fire Alarm Control Units	
			A004	A008
429CT. See note 4. {S10A}	Photo and Heat	n/a	16	25
429CST {S11A}	Photo	n/a	1	1
429CRT. See note 1. {S11A}	Photo	n/a	16/1	25/1
511C, 511AFT^ {S10A}. See note 4.	Photo	n/a	16	25
521B(XT)^ {S10A}. See note 4.	Photo	n/a	16	25
521CRXT^ . See note 1. {S11A}	Photo	n/a	16/1	25/1
521NCRXT^ See note 1. {S11A}	Photo and heat	n/a	16/1	25/1
521NCSXT^ {S10A}	Photo and heat	n/a	1	1
521NCSRXT^ {S11A}	Photo and heat	n/a	1	1
711U, 711UT {S10A}. See note 4.	Photo/(Heat)	701E, 702E, {S00}	16	25
721U(T) {S10A}. See note 4.	Photo	701E, 702E, {S00}	16	25
731U. See note 1. {S11A}	Photo	701E, 702E, {S00}	16/1	25/1

**Note:**

1. When you use a relay, use only one detector on an IDC. ^ Detector switch 1 Off.
2. Do not use these devices on a zone that is programmed for alarm verification.
3. The compatibility identifier is in { } brackets and shown after the detector and base model number.
4. When you use accessories, use only one detector on an IDC.

## FCI detectors

Table 5 contains a list of compatible FCI detectors.

**Table 5: FCI detectors**

Detector	Description	Bases	Fire Alarm Control Units	
			A004	A008
FCI 301I {A}	Ion	301B {A}	16	25
FCI 301IL {A}	Ion	301BL, B401BH {A}	20	30
FCI 301P {A}	Photo	301B {A}	16	25
FCI 301PT {A}	Photo and heat	301B {A}	16	25
FCI 301PL {A}	Photo	301BL, B401BH {A}	16	25
FCI SBS-1101 {A}	Ion	n/a	20	30
FCI SBS-1201 {A}	Photo	n/a	16	25
FCI SBS-1201T {A}	Photo and heat	n/a	16	25

**Note:**

1. The compatibility identifier is in { } brackets and shown after the detector and base model number.
2. Do not use these devices on a zone that is programmed for alarm verification.
3. When you use accessories, use only one detector on an IDC.

## Notifier detectors

Table 6 contains a list of compatible Notifier detectors.

**Table 6: Notifier detectors**

Detector	Description	Bases	Fire Alarm Control Units	
			A004	A008
SD-651 {A}	Photo	B401, B610LP {A}	16	25

**Note:**

1. The compatibility identifier is in { } brackets and shown after the detector and base model number.
2. Do not use these devices on a zone that is programmed for alarm verification.
3. When you use accessories, use only one detector on an IDC.

## System sensor detectors

Table 7 contains a list of compatible System sensor detectors.

**Table 7: System sensor detectors**

Detector	Description	Bases	Fire Alarm Control Units	
			A004	A008
DH100LP {A}	Duct	n/a	16	25
1151 {A}	Ion	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1
2151 {A}	Photo	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1
1400 {A}	Ion	n/a	16	25
1451 {A}	Ion	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1
1451DH (HT) {A}	Duct	DH400I {A}	16	25
2400 {A}	Photo	n/a	16	25
2400TH {A}	Photo and heat	n/a	16	25
2451 {A}	Photo	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1
2451TH {A}	Photo and heat	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1
2W-B {A}	Photo	n/a	20	30
2WT-B {A}	Photo and heat	n/a	20	30
2WTA-B {A}	Photo and heat	n/a	1	1
4451HT {A}	Heat	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1
5451 {A}	Heat	B401 (B), B110LP {A}	16	25
		B406B, B116LP. See note 1. {A}	16/1	25/1

**Note:**

1. When you use a relay, use only one detector on an IDC.
2. The compatibility identifier is in { } brackets and shown after the detector and base model number.
3. When you use accessories, use only one detector on an IDC.

