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# 1. Overview

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## 1.1 5895 Description

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The Model 5895 Intelligent Power Module provides additional power and circuits to the IntelliKnight 5820 FACP. The 5895 can power all IntelliKnight compatible modules, including SLC devices (via a Model 5815 SLC Expander), remote annunciators (Model 5860); notification appliances, auxiliary power modules, and all other compatible modules.

The 5895 has six outputs and two programmable relays. Outputs are rated 3.0 A (5.0 A total for each 5895). Relays are Form C rated at 2.5 A @ 24 VDC. Outputs and relays are fully programmable.

The 5895 is optically isolated, providing ground loop isolation and transient protection. It functions as an SBUS repeater which conditions the RS-485 signal and allows the module to drive up to 6,000 feet of additional SBUS wiring.

The 5895 is housed in a metal cabinet that is identical in size to the IntelliKnight 5820 FACP cabinet. This cabinet is large enough to house two 17 AH batteries. Like the 5820 cabinet, the 5895 cabinet provides mounting studs for two Model 5815 SLC Expander modules.

The 5895 communicates to the main IntelliKnight FACP via the SBUS. Each 5895 provides an additional 6,000 feet of SBUS wiring length to the main panel. As the drawings on the next pages illustrate, this allows you to distribute modules, SLC devices, and outputs throughout an extremely large facility.

As well as expanding the wiring length capabilities of IntelliKnight, the 5895 also expands IntelliKnight's power capabilities by an additional 5.0 A of current.

### 1.1.1 Maximum Number of SBUS Modules

The chart below shows the maximum number of compatible modules that can be used in an IntelliKnight installation. Modules can be distributed among the main panel SBUS and each additional 5895 SBUS in virtually any combination.

Module or Device	Maximum Number
5895 Intelligent Power Module	8 per IntelliKnight installation
5860 Remote Annunciator	8 per IntelliKnight installation
5815 SLC Expander	2 per IntelliKnight installation
5824 Serial/Parallel Modules	8 per IntelliKnight installation
Outputs	6 per 5820 / 5895
Conventional Relays	2 per 5820 / 5895

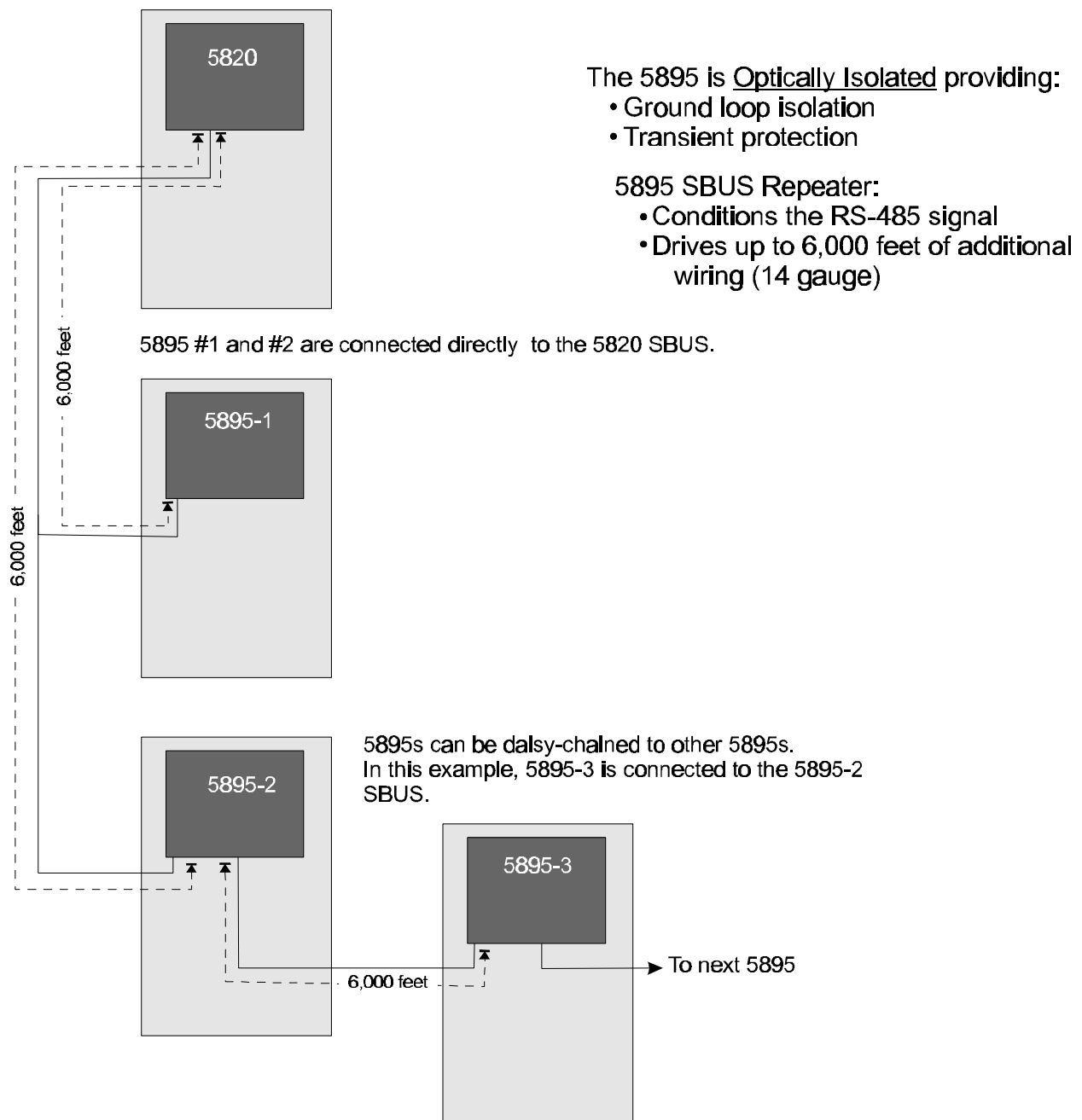


Figure 1. Example 5895 Installation Overview

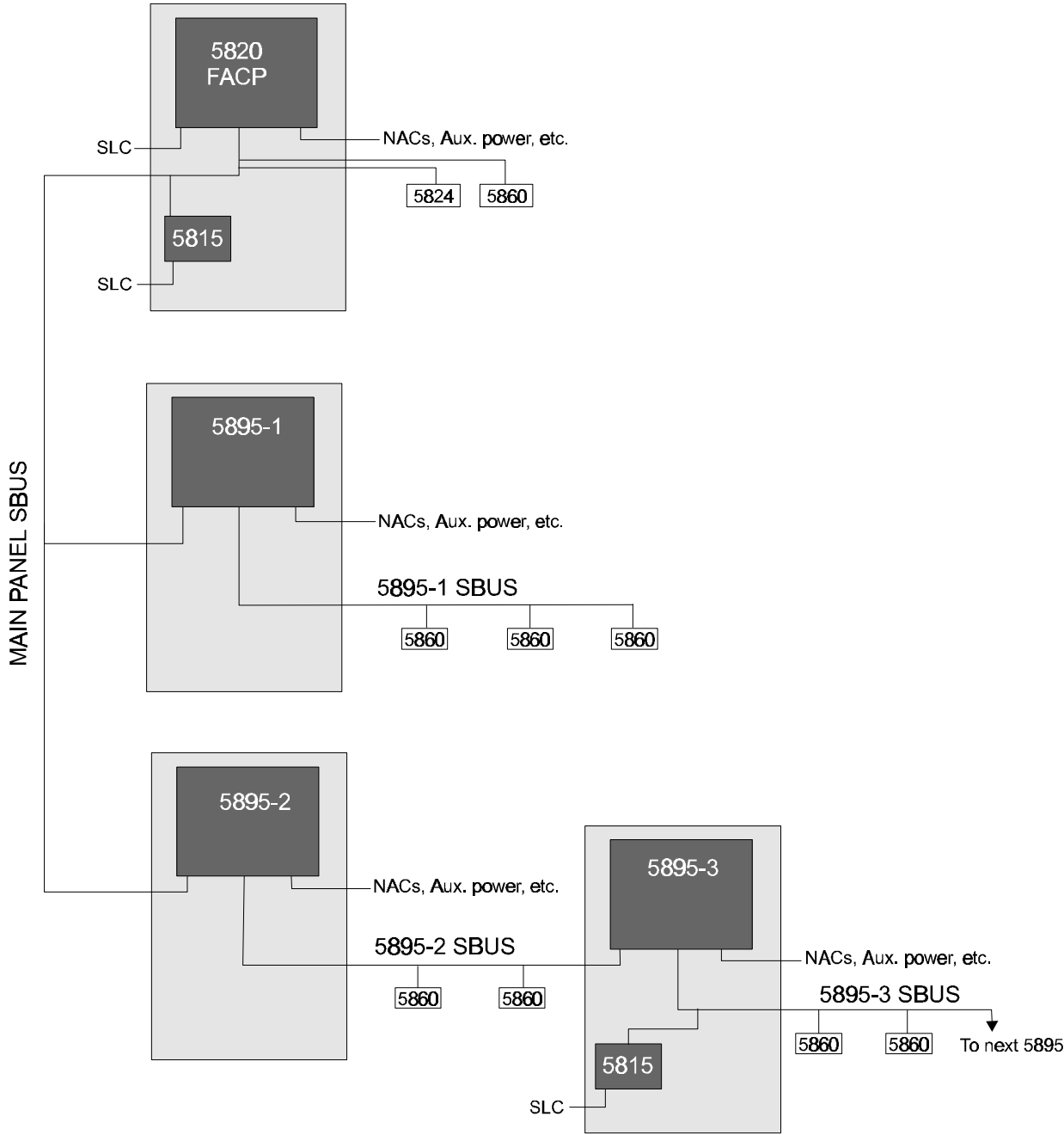


Figure 2. Example 5895 Installation Overview (Details Added)

## **1.2 Agency Requirements**

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The 5895 has the same requirements as the main control panel. These requirements are listed in the IntelliKnight 5820 Installation Manual (P/N 150972).

## **1.3 About This Manual**

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This manual covers installation of 5895 hardware. Software configuration information is contained in the IntelliKnight 5820 Installation Manual (P/N 150972).

## **1.4 How to Contact Silent Knight**

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If you have a question or encounter a problem not covered in this manual, contact Silent Knight Technical Support at 800-328-0103 (or 612-493-6455). To order parts, contact Silent Knight Sales at 800-446-6444 (or 612-493-6435).

## 2. Before You Begin Installing

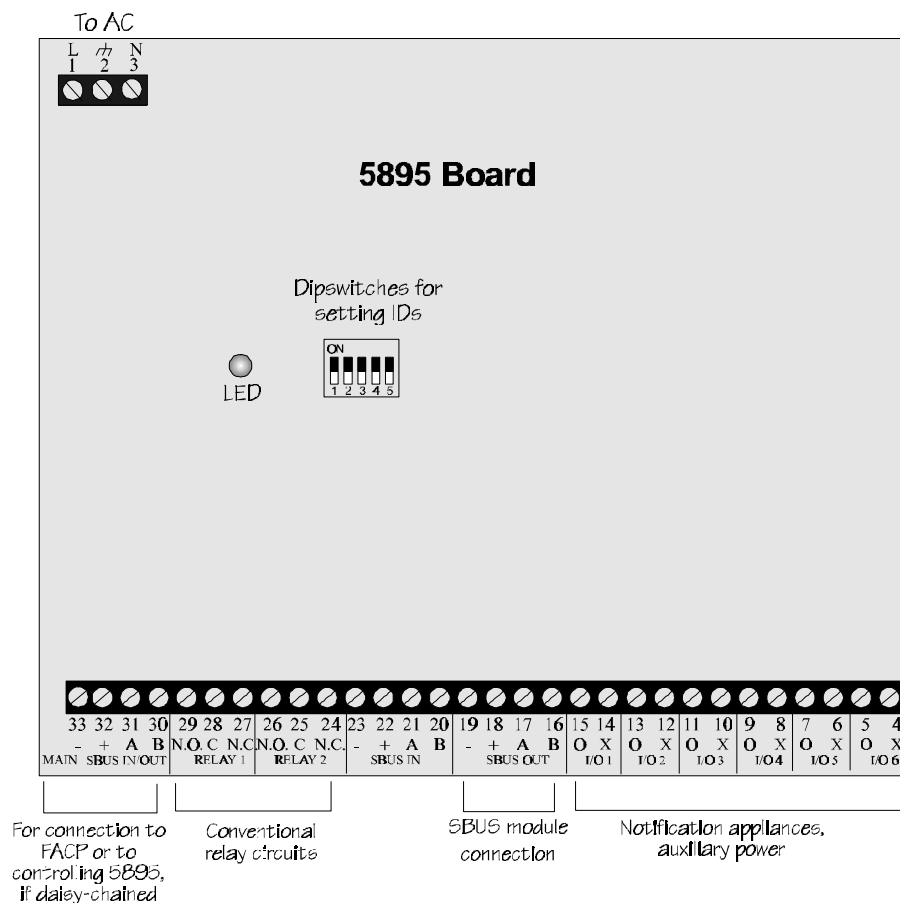
## 2.1 What's in the Box?

The Model 5895 ships with the following hardware:

- A cabinet with all hardware assembled
- Two keys for the front door
- Ten 4.7K ohm end-of-line resistors
- A battery cable for batteries wired in series


## 2.2 5895 Board and Terminal Strip Description

Figure 3 shows the 5895 circuit board including location of terminals, the dipswitch for setting module ID, and the LED.



### Figure 3. Model 5895 Layout

**Table 1. Terminal Strip Description and Electrical Ratings**

Terminal # and Label			Description	Rating	
				Voltage	Current
1	L		AC input (hot)	120 VAC 60 Hz	2.5 A
2			Earth ground	N/A	N/A
3	N		AC input (neutral)	120 VAC 60 Hz	2.5 A
4	X	I/O 6	Notification Circuit	24 VDC	3.0 A
5	O				
6	X	I/O 5	Notification Circuit	24 VDC	3.0 A
7	O				
8	X	I/O 4	Notification Circuit	24 VDC	3.0 A
9	O				
10	X	I/O 3	Notification Circuit	24 VDC	3.0 A
11	O				
12	X	I/O 2	Notification Circuit	24 VDC	3.0 A
13	O				
14	X	I/O 1	Notification Circuit	24 VDC	3.0 A
15	O				
16	B	SBUS OUT	SBUS communication	5 VDC	100 mA
17	A		SBUS power	24 VDC	1.0 A
18	+				
19	-				
20	B	SBUS IN	Not used		
21	A				
22	+				
23	-				
24	N.C.	RELAY 2	General Purpose Relay 2	24 VDC	2.5 A
25	C				
26	N.O.				
27	N.C.	RELAY 1	General Purpose Relay 1	24 VDC	2.5 A
28	C				
29	N.O.				
30	B	SBUS IN/ OUT	5895 communication with main panel or to controlling 5895 if daisy-chained	5 VDC	100 mA
31	A				
32	+	MAIN	5895 SBUS power	24 VDC	10 mA
33	-				

## 2.3 Calculating Current Draw and Standby Battery

---

This section is for helping you determine the current draw and standby battery needs for your installation.

### 2.3.1 Worksheet Requirements

The following steps must be taken when determining 5895 current draw and standby battery requirements.

#### Filling in the Current Draw Worksheet, Table 2 (Section 2.3.2)

1. For the 5895, the worst case current draw is listed for the panel, addressable devices, and SLC expanders. Fill in the number of addressable devices and expanders that will be used in the system and compute the current draw requirements for alarm and standby. Record this information in Table 2 at Line A.
2. Add up the current draw for all auxiliary devices and record in the table at Line B.
3. Add up all notification appliance loads and record in the table at Line C.
4. For notification appliances and auxiliary devices not mentioned in the manual, refer to the device manual for the current ratings.
5. Make sure that the total alarm current you calculated, including current for the panel itself, does not exceed 5.0 A. This is the maximum alarm current allowable.
6. Complete the remaining instructions in Table 2 for determining battery size requirements.



## 2.3.2 Current Draw Worksheet

For \*each 5895 in the installation, use this worksheet to determine current requirements during alarm/battery standby operation. (Copy this page if additional space is required.)

**Table 2. Current Draw Calculations**

Device	Number of Devices	Current per Device	Standby Current	Alarm Current
<i>For each device use this formula: This column X This column = Current per number of devices.</i>				
5895 Intelligent Power Module (Current draw from battery)	1*	Standby: 40 mA Alarm: 160 mA	40 mA	160 mA
Additional 5895 (Daisy-chained to this module)	(7 max.)	Standby: 10 mA Alarm: 10 mA		
Addressable Devices	(381 max.)	Standby: 0.55 mA Alarm: 0.55 mA		
5815 SLC Expander	(2 max.)	Standby: 55 mA Alarm: 55 mA		
5860 Remote Fire Alarm Annunciator	(8 max.)	Standby: 20 mA Alarm: 25 mA		
5824 Serial / Parallel Module	(2 max.)	Standby: 45 mA Alarm: 45 mA		
<b>A</b>	<b>Total 5895 System Current</b>			
**Auxiliary Devices	<i>Refer to device manual for current ratings.</i>			
		Alarm/Standby mA	mA	mA
		Alarm/Standby mA	mA	mA
		Alarm/Standby mA	mA	mA
		Alarm/Standby mA	mA	mA
<b>B</b>	<b>Auxiliary Devices Current</b>		mA	mA
Notification appliances	<i>Refer to device manual for current ratings.</i>			
		Alarm: mA		mA
		Alarm: mA		mA
		Alarm: mA		mA
		Alarm: mA		mA
<b>C</b>	<b>Notification Appliances Current</b>			mA
<b>D</b>	Total current ratings of all devices in system (line A + line B + line C):		mA	mA
<b>E</b>	Total current ratings converted to amperes (line D x .001):		A	A
<b>F</b>	Number of standby hours (24 or 60 for NFPA 72, Chapter 1, 1-5.2.5):		H	
<b>G</b>	Multiply lines E and F. <b>Total standby AH</b>		AH	
<b>H</b>	Alarm sounding period in hours. (For example, 5 minutes = .0833 hours.)			H
<b>I</b>	Multiply lines E and H. <b>Total alarm AH</b>			AH
<b>J</b>	Add lines G and I. <b>Total ampere hours required</b>		AH	
<i>Use next size battery with capacity <b>greater</b> than required.</i>				

\*Note 1: Use a separate worksheet for each 5895.

**\*\*Note 2:** If you are using door holders, you do not need to consider door holder current for alarm/battery standby, because power is removed during that time. However, during normal operation, door holders draw current and must be included in the 5.0 A total current that can be drawn from the panel.

### 2.3.2.1 Maximum Battery Standby Load

Table 3 shows the maximum battery standby load for the 5895 based on 24 and 60 hours of standby. The standby load calculations of line G in the Current Draw Calculation Worksheet (Table 2) must be less than the number shown in Table 3 for the battery size used and standby hours required.

**Table 3. Maximum Battery Standby Load**

<b>Rechargeable Battery Size</b>	<b>Max. Load for 24 hrs. Standby, 5 mins. Alarm</b>	<b>*Max. Load for 60 hrs. Standby, 5 mins. Alarm</b>
7 AH	270 mA	105 mA
12 AH	475 mA	190 mA
17 AH	685 mA	270 mA

\* Required for NFPA 72 Auxiliary Protected Fire Alarm systems for Fire Alarm Service (City Box) and Remote Station Protected Fire Alarm systems (Polarity Reversal) and Digital Alarm Communicator/Transmitter (DACT).

## 2.4 Wiring Specifications

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### 2.4.1 Length Limitations

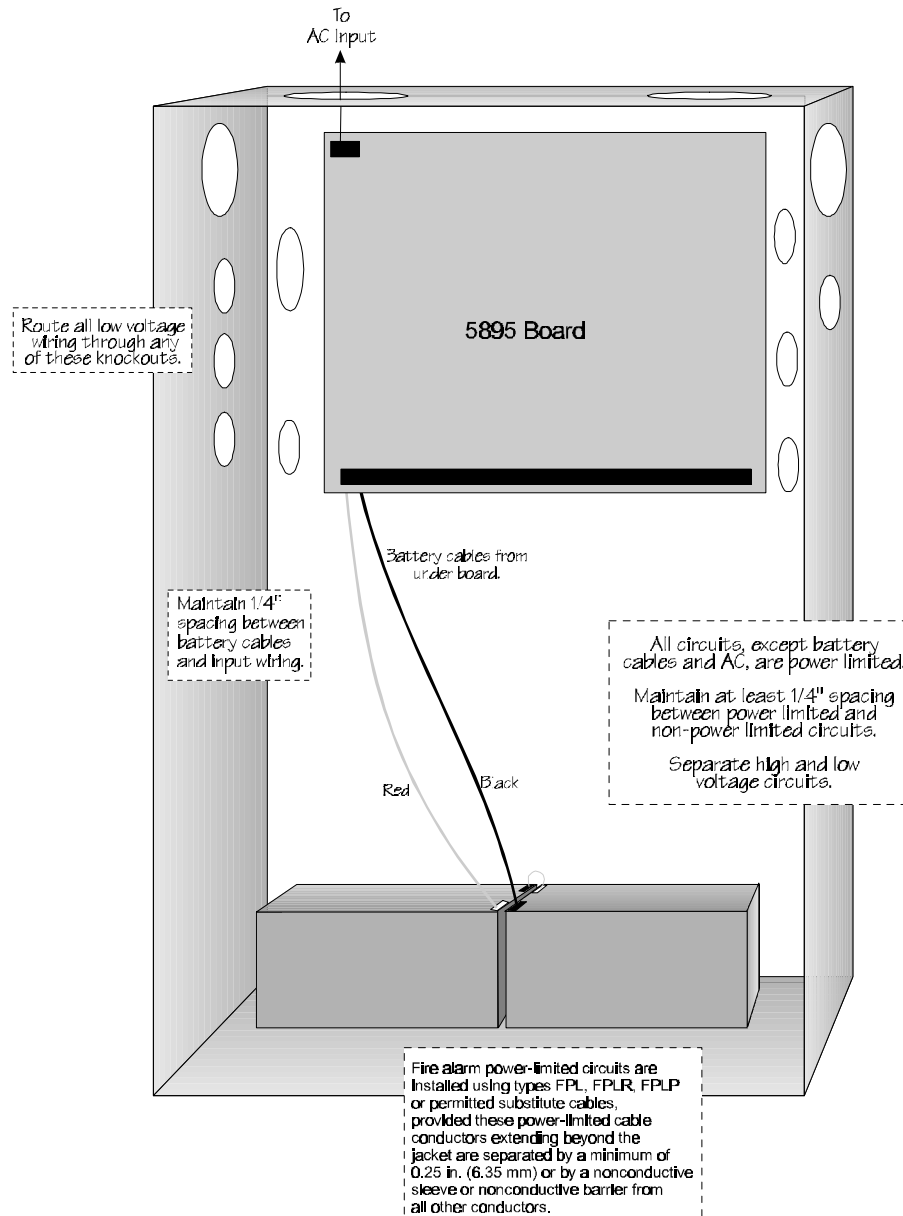
The 5895 wire length limit is 6,000 feet for all homerun SBUS modules regardless of wire gauge used. Daisy-chaining modules is allowed and, in most cases, the limitation is 6,000 feet for all wire gauges. See Note below for the exceptions.

*Note: If 22-gauge wire is used for daisy-chained modules, wiring limitations are as shown below.*

1-5 modules:	6,000 feet
6 modules:	5,140 feet
7 modules:	4,410 feet
8 modules:	3,860 feet

## 2.4.2 Wire Routing

You must follow power-limited wiring techniques, which includes maintaining one-quarter inch spacing between power-limited and nonpower-limited circuits and separating high and low voltage circuits.



**Figure 4. Wire Routing Example**

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## 3. Hardware Installation

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5895 installation involves the following steps:

- AC power (Section 3.1) and backup battery connection (Section 3.2).
- Physical connection to the IntelliKnight 5820 FACP or to the controlling 5895 (see Section 3.3).
- Setting an ID for the 5895 (Section 3.3.1).
- Physical connection of SBUS modules that will be powered by this 5895 (Section 3.3).
- Physical connection of any outputs (conventional relays, notification appliances, auxiliary power modules, and so on) that will be powered by this 5895. See Section 3.5.1 for notification appliance wiring information. Refer to the IntelliKnight 5820 Installation Manual, P/N 150972, for software configuration information and other information about installing outputs.

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### 3.1 AC Power

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At installation, connect the AC terminals to 120 VAC source as shown in Figure 5. It may be necessary for a professional electrician to make this connection.

The AC terminals are rated as 120 VAC, 60 Hz, 2.5 A.

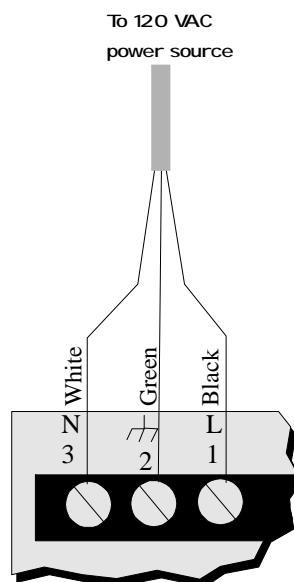


Figure 5. AC Power Connection

## 3.2 Battery Connection

The 5895 battery charge capacity is 7.0 to 17.0 AH. Use 12V batteries of the same AH rating. Determine the correct AH rating as per your current load calculation (see Table 2).

Wire batteries in series to produce a 24-volt equivalent. Do not parallel batteries to increase the AH rating.

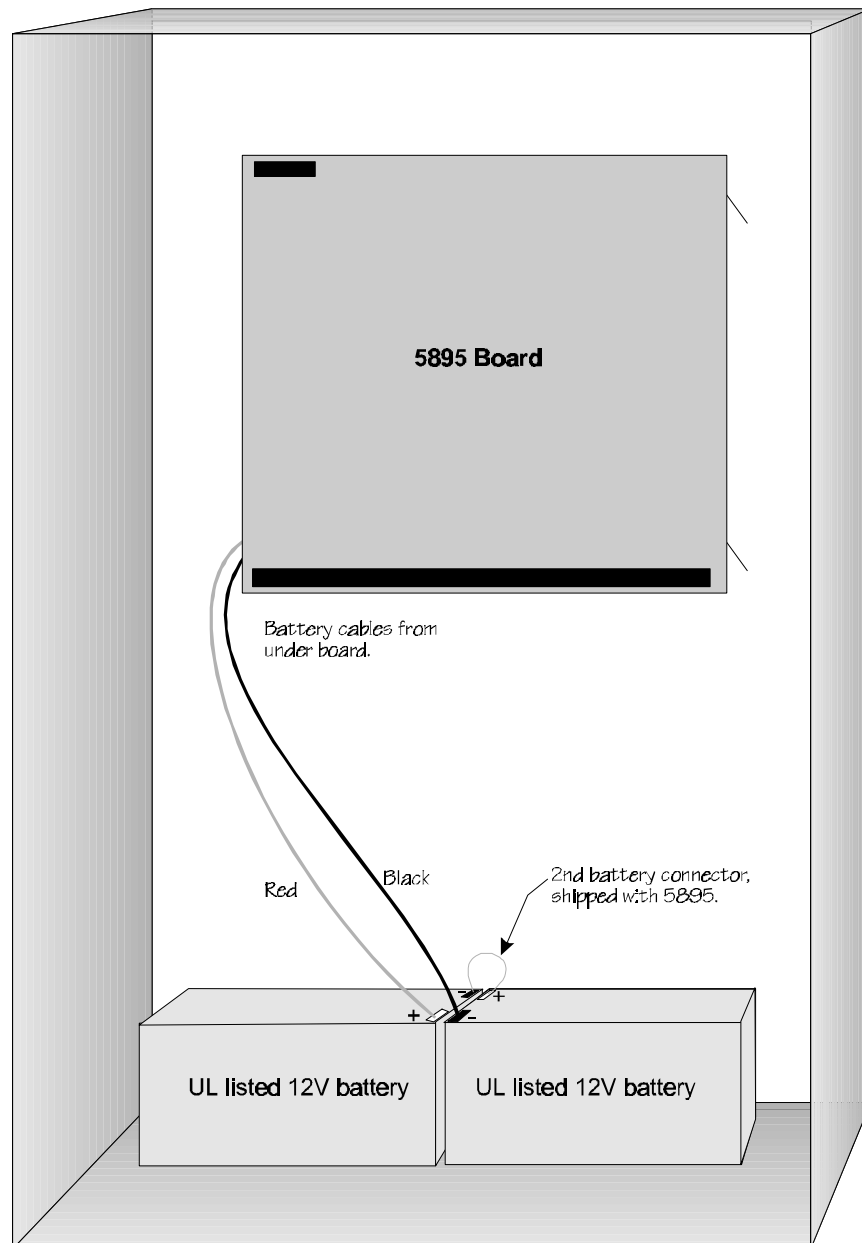


Figure 6. Battery Connection

### 3.3 5895 Connection to FACP

1. Connect the 5895 to the appropriate SBUS. The 5895 can be connected directly to the IntelliKnight 5820 FACP or can be daisy-chained to another 5895. Figure 7 shows both connections.
2. Use on-board dipswitch to assign an ID#. (See Section 3.3.1.) Figure 3 shows the location of the dipswitches on the 5895 board.
3. Configure the 5895 module by adding it to the system (through JumpStart or manually). You can also assign a name to the module. These procedures are described in the IntelliKnight 5820 Installation Manual (P/N 150972).

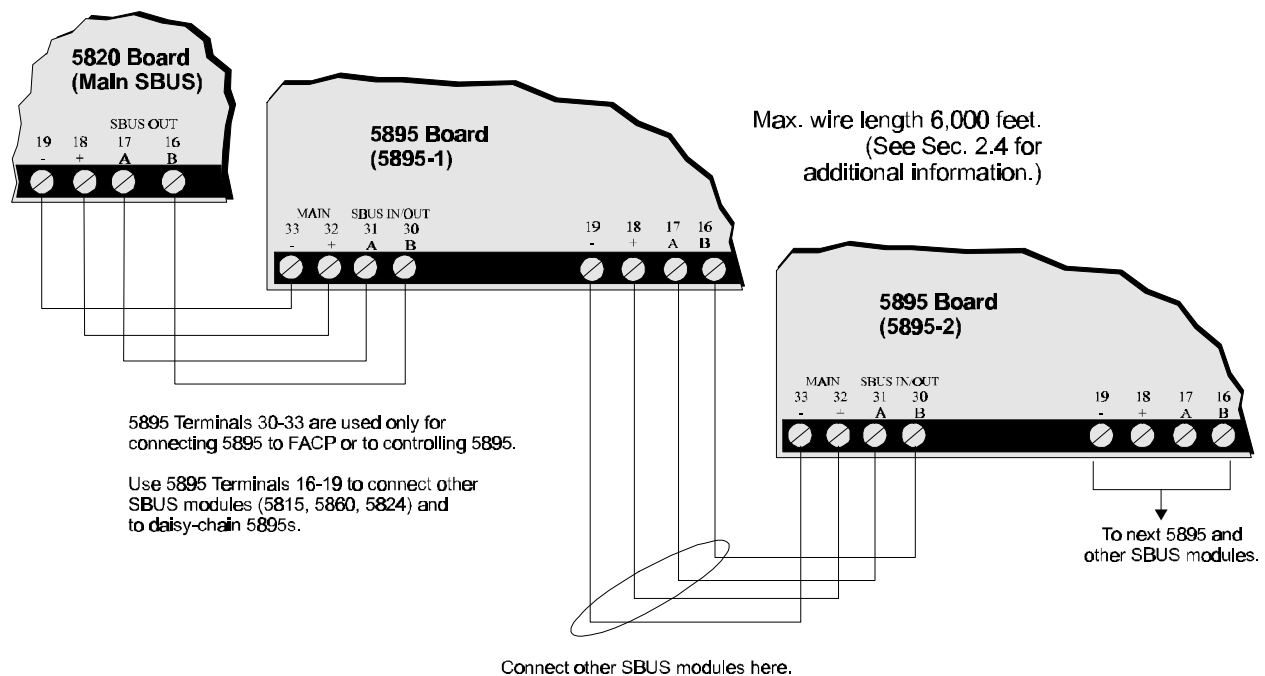
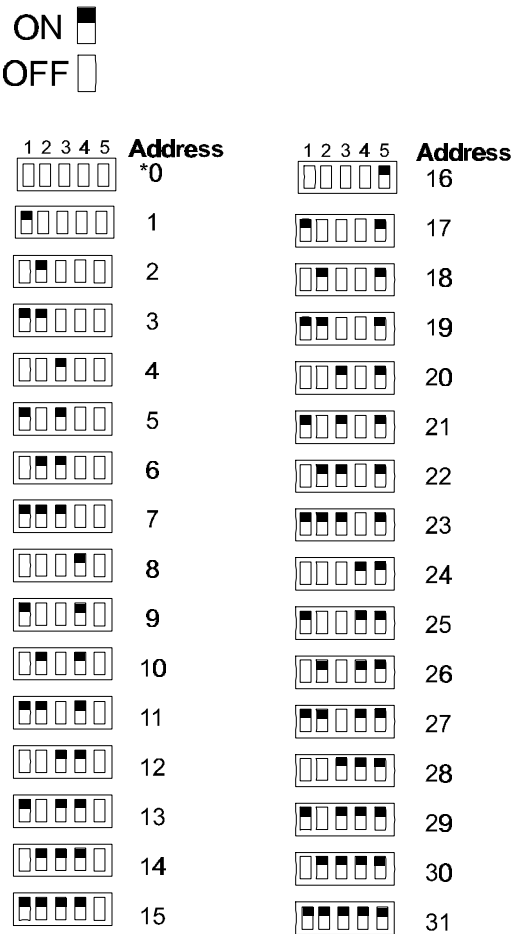


Figure 7. 5895 Connection to FACP

### 3.3.1 Setting the Device ID

All SBUS modules in an IntelliKnight system must have a unique number (1-31) to identify them to the FACP. Use the dipswitch on the 5895 board to set the module ID#. The diagram in Section 2.2 shows the location of the dipswitch on the board.



\*Note: Address 0 cannot be used.

Figure 8. Possible Module Addresses



## 3.4 Connecting SBUS Modules to the 5895

1. Connect SBUS modules to the 5895 as shown in Figure 9.
2. All SBUS modules must have an ID. Use the dipswitches on the module board to assign an ID number (1-31) to the module. This number identifies the module to the IntelliKnight FACP and must be unique.
3. Software configuration steps vary for each SBUS module. For more information, refer to the IntelliKnight 5820 Installation Manual (P/N 150972) in the section that discusses the type of module you are installing.

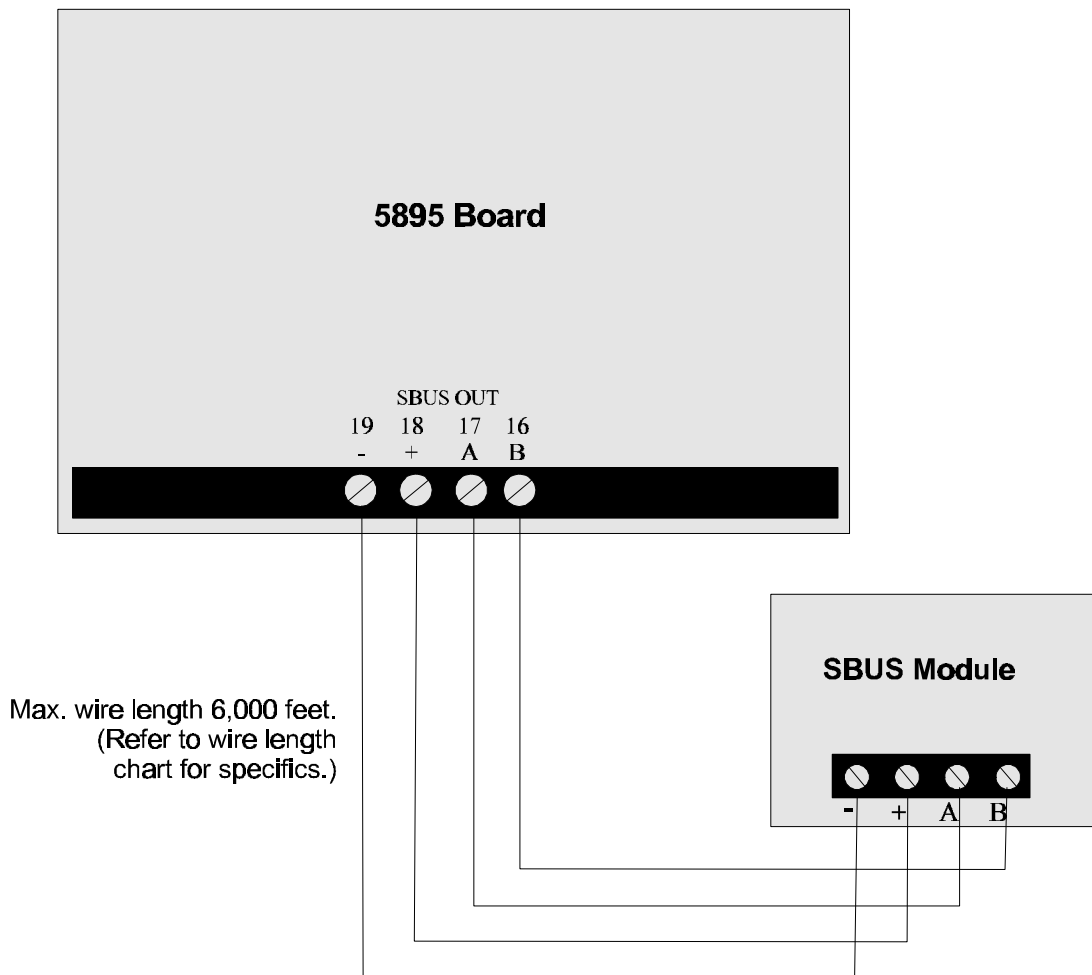


Figure 9. SBUS Module Connection to 5895

## 3.5 I/O Circuit Installation

5895 I/O circuits can be installed as:

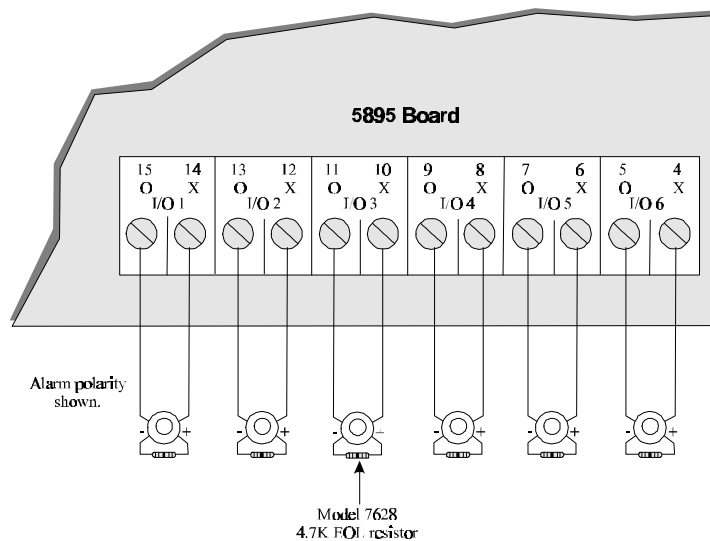
- Notification appliance circuits
- Constant power
- Resettable power
- Door holder power

5895 I/O outputs are installed in exactly the same way as 5820 main panel I/O circuits. For ease of installation, the 5895 output terminals use the same numbering scheme as 5820 terminals. Refer to the IntelliKnight 5820 Installation Manual (P/N 150972) for information on installing auxiliary power applications. For your convenience, notification appliance wiring information is included in the next section.

### 3.5.1 Notification Appliance Wiring

As with the 5820 FACP, notification appliances must use class B wiring. You must use an appliance from the list of compatible appliances in the back of this manual.

1. Wire class B notification appliances as shown in Figure 10.
2. Configure the circuit through programming. 5895 notification circuits have the same programmable options as on-board appliances and are programmed in the same manner. Refer to the IntelliKnight 5820 Installation Manual (P/N 150972) for output programming information.



**Figure 10. Notification Appliance Wiring**

## 3.6 Conventional Relay Installation

5895 relay circuits are installed in exactly the same way as 5820 main panel relay circuits. For ease of installation, the 5895 output terminals use the same numbering scheme as 5820 terminals. Refer to the IntelliKnight 5820 Installation Manual (P/N 150972) for information on installing conventional relays.

## 4. Compatible Add-On Appliances

This section of the manual lists all notification appliances compatible with the IntelliKnight 5820 panel. The list is organized alphabetically by manufacturer.

### 4.1 Notification Appliances

*Note: For parentheses ( ) in model number, substitute the letter that indicates the candela size you need.  
N=15 candela; W=15/75 candela; D=75 candela; S=110 candela*

Manufacturer	Model	Type
Faradav	446X 12/24 VDC	Vibrating Bell
Faradav	476X 12/24 VDC	Vibrating Bell
Faradav	477X 12/24 VDC	Single Stroke Bell
Faradav	5304B-0-14-DC	Chime
Faradav	5305B-0-4-DC	Chime
Faradav	5306B-0-14-( )-24-DC	Chime/Strobe
Faradav	5307B-0-14-( )-24-DC	Chime/Strobe
Faradav	5308B-0-4-( )-24-DC	Chime/Strobe
Faradav	5333B-0-14-24-DC	Flush Mount Horn
Faradav	5334B-0-14-24-DC	Surface Mount Horn
Faradav	5335B-0-4-24-DC	Ceiling Mount Horn
Faradav	5336B-( )-14-24-DC	Flush Mount Horn/Strobe
Faradav	5337B-( )-14-24-DC	Surface Mount Horn/Strobe
Faradav	5338B-( )-4-24-DC	Ceiling Mount Horn
Faradav	5343B-0-14-24-DC	Flush Mount Horn
Faradav	5344B-0-14-24-DC	Surface Mount Horn
Faradav	5345B-0-4-24-DC	Ceiling Mount Horn
Faradav	5346B-( )-14-24-DC	Flush Mount Horn/Strobe
Faradav	5347B-( )-14-24-DC	Surface Mount Horn/Strobe
Faradav	5348B-( )-4-24-DC	Ceiling Mount Horn/Strobe
Faradav	5373B-0-14-24-DC	Flush Mount Horn
Faradav	5374B-0-14-24-DC	Surface Mount Horn
Faradav	5375B-0-4-24-DC	Ceiling Mount Horn
Faradav	5376B-( )-14-24-DC	Flush Mount Horn/Strobe
Faradav	5377B-( )-14-24-DC	Surface Mount Horn/Strobe
Faradav	5378B-( )-4-24-DC	Ceiling Mount Horn/Strobe
Faradav	5405B-0-14-24-DC	Flush Sync Control Unit
Faradav	5508B-( )-14-24-DC	Flush Mount Single Gang Sync Strobe
Faradav	5521B-( )-14-24-DC	Flush Mount 4" Square Sync Strobe
Faradav	5522B-( )-14-24-DC	Surface Mount 4" Square Sync Strobe

<b>Manufacturer</b>	<b>Model</b>	<b>Type</b>
Faradav	6126B-U-14-24VDC	Horn/Strobe
Faradav	6223B-01-14-24-DC	Flush Mount Horn
Faradav	6224B-0-14-24-DC	Surface Mount Horn
Faradav	6225B-0-4-24-DC	Ceiling Mount Horn
Faradav	6226B-( )-14-24-DC	Flush Mount Horn Strobe
Faradav	6227B-( )-14-24-DC	Surface Mount Horn Strobe
Faradav	6228B-( )-4-24-DC	Ceiling Mount Horn Strobe
Faradav	6243B-0-14-24-DC	Flush Mount Horn
Faradav	6244B-0-14-24-DC	Surface Mount Horn
Faradav	6245B-0-4-24-DC	Ceiling Mount Horn
Faradav	6246B-( )-14-24-DC	Flush Mount Horn Strobe
Faradav	6247B-( )-14-24-DC	Surface Mount Horn Strobe
Faradav	6248B-( )-4-24-DC	Ceiling Mount Horn Strobe
Faradav	6300B-0-14-24-DC	Horn
Faradav	6301B-0-14-24-DC	Horn
Faradav	6302B-( )-14-24-DC	Horn Strobe
Faradav	6310B-0-14-24-DC	Horn
Faradav	6311B-0-14-24-DC	Horn
Faradav	6312B-( )-14-24-DC	Horn Strobe
Faradav	6320B-0-14-24-DC	Horn
Faradav	6321B-0-14-24-DC	Horn
Faradav	6322B-( )-14-24-DC	Horn Strobe
Federal Signal	450	Horn
Federal Signal	VALS	Horn/Strobe
Gentex	GX90-4	Horn
Gentex	GXS-4-15-1	Strobe
Gentex	GXS-4-1575	Strobe
Gentex	GX90S-4-15	Horn Strobe
Gentex	GX90S-4-1575	Horn Strobe
Gentex	HG124	Horn
Gentex	SHG24-1575	Horn Strobe
Gentex	SHG24-15	Horn Strobe
Gentex	GMH-24-X	Horn
Gentex	GMS-24-X	Horn/Strobe
Gentex	G0T24	Horn
Gentex	G0S24-X	Horn
Gentex	WGMS-24-X	Horn/Strobe
Svstem Sensor	MA/SS/24I	Horn/Strobe
Svstem Sensor	MASS24110ADA	Horn/Strobe
Svstem Sensor	MASS2415ADA	Horn/Strobe
Svstem Sensor	MASS2475ADA	Horn/Strobe
Svstem Sensor	SS24110ADA	Strobe
Svstem Sensor	SS2415ADA	Strobe
Svstem Sensor	SS2475ADA	Strobe
Svstem Sensor	PS2415ADA	Mini-Horn/Strobe
Svstem Sensor	PS241575ADA	Mini-Horn/Strobe
Svstem Sensor	PS24110ADA	Mini-Horn/Strobe
Svstem Sensor	PS2475ADA	Mini-Horn/Strobe
Wheelock	46T-G10-24-R	Bell

*Model 5895 Intelligent Power Module*

Wheelock	46T-G10-24-WH-24-HF-R	Strobe Bell
<b>Manufacturer</b>	<b>Model</b>	<b>Type</b>
Wheelock	46T-G10-24-WS-24-HF-R	Strobe Bell
Wheelock	46T-G4-24-R	Bell
Wheelock	46T-G6-24-R	Bell
Wheelock	46T-G6-24-WH-24-HF-R	Strobe Bell
Wheelock	46T-G6-24-WS-24-HF-R	Strobe Bell
Wheelock	7001T-12\24-W-FR	Strobe Horn
Wheelock	7002T-12\24-W-FR	Strobe Horn
Wheelock	AES-DL1-R	Multitone Horn
Wheelock	AES-DL1-WH-24-VF-R	Multitone Horn
Wheelock	AES-DL1-WM-24-VF-R	Multitone Horn
Wheelock	AES-DL1-WS-24-VF-R	Multitone Horn
Wheelock	AES-EL1- WH-24-VF-R	Multitone Horn
Wheelock	AES-EL1- WM-24-VF-R	Multitone Horn
Wheelock	AES-EL1-R	Multitone Horn
Wheelock	AES-EL1-WS-24-VF-R	Multitone Horn
Wheelock	AMT-12\24-R	Strobe Horn
Wheelock	AMT-24-IS-VFR	Strobe Horn
Wheelock	AMT-24-LS-VFR	Strobe Horn
Wheelock	AMT-24-LSM-VFR	Strobe Horn
Wheelock	AS-1215-VFR	Strobe Horn
Wheelock	AS-24110-HFR	Strobe Horn
Wheelock	AS-2415-VFR	Strobe Horn
Wheelock	AS-241575-VFR	Strobe Horn
Wheelock	AS-2475-VFR	Strobe Horn
Wheelock	AS2430-VFR	Strobe Horn
Wheelock	CH-BF1	Chime
Wheelock	CH-BF1-R	Chime
Wheelock	CH-BF1-WS-24-HF-R	Strobe Chime
Wheelock	CH-CF1	Chime
Wheelock	CH-CF1-IS-24	Strobe Chime
Wheelock	CH-CF1-IS-24-CFW	Strobe Chime
Wheelock	CH-CF1-LS-24	Strobe Chime
Wheelock	CH-CF1-LS-24-CFW	Strobe Chime
Wheelock	CH-CF1-MS-24	Strobe Chime
Wheelock	CH-CF1-MS-24-CFW	Strobe Chime
Wheelock	CH-CF1-R	Chime
Wheelock	CH-CF1-W Chime	Chime
Wheelock	CH-CF1-WS-24-CF-W	Strobe Chime
Wheelock	CH-DF1	Chime
Wheelock	CH-DF1-IS-24	Strobe Chime
Wheelock	CH-DF1-IS-24-VFR	Strobe Chime
Wheelock	CH-DF1-LS-24	Strobe Chime
Wheelock	CH-DF1-LS-24-VFR	Strobe Chime
Wheelock	CH-DF1-LSM-24-VFR	Strobe Chime
Wheelock	CH-DF1-MS-24	Strobe Chime
Wheelock	CH-DF1-MS-24-VFR	Strobe Chime
Wheelock	CH-DF1-R	Chime
Wheelock	CH-DF1-WM-24-VF-R	Strobe Chime
Wheelock	CH-DF1-WS-24-VF-R	Strobe Chime

Wheelock	DSM-12/24-R	Strobe Horn Controller
<b>Manufacturer</b>	<b>Model</b>	<b>Type</b>
Wheelock	EH-DL1-R	Electronic Horn
Wheelock	EH-DL1-WH-24-VF-R	Strobe Horn (dual in.)
Wheelock	EH-DL1-WM-24-VF-R	Strobe Horn (dual in.)
Wheelock	EH-DL1-WS-24-VF-R	Strobe Horn (dual in.)
Wheelock	EH-EL1-R	Electronic Horn
Wheelock	EH-EL1-WM-24-VF-R	Strobe Horn (dual in.)
Wheelock	EH-EL1-WS-24-VF-R	Strobe Horn (dual in.)
Wheelock	EHS-DL1-W-VF-R	Strobe Horn (single in.)
Wheelock	EHS-EL1-W-VF-R	Strobe Horn (single in.)
Wheelock	HS2W-24-HFR	Remote Strobe
Wheelock	HSPW-24-HFR	Remote Strobe
Wheelock	HSW-24-HFR	Remote Strobe
Wheelock	IS-24-VFR	Remote Strobe
Wheelock	IS1-24-VFR	Remote Strobe
Wheelock	IS3-24-VFR	Remote Strobe
Wheelock	ISP-24-HFR	Remote Strobe
Wheelock	LS-24-VFR	Remote Strobe
Wheelock	LS1-24-VFR	Remote Strobe
Wheelock	LS1M-24-VFR	Remote Strobe
Wheelock	LS3-24-VFR	Remote Strobe
Wheelock	LS3M-24-VFR	Remote Strobe
Wheelock	LSM-24-VFR	Remote Strobe
Wheelock	LSPM-24-VFR	Remote Strobe
Wheelock	MB-G6-24-R	Motor Bell
Wheelock	MS-24-VFR	Remote Strobe
Wheelock	MS1-24-VFR	Remote Strobe
Wheelock	MS3-24-VFR	Remote Strobe
Wheelock	MSP-24-HFR	Remote Strobe
Wheelock	SM-12/24-R	Strobe Horn Controller
Wheelock	MB-G10-24-R	Motor Bell
Wheelock	MBS-G6-24-W-HF-R	Motor Bell w/Strobe
Wheelock	MBS-G10-24-W-HF-R	Motor Bell w/Strobe
Wheelock	MIZ-24-R	Mini-Horn
Wheelock	MIZ-24-W	Mini-Horn
Wheelock	MIZ-24-LS-VFR	
Wheelock	MIZ-24-LSM-VFR	Mini-Horn/Strobe
Wheelock	MIZ-24-MS-VFR	Mini-Horn/Strobe
Wheelock	MIZ-24-IS-VFR	Mini-Horn/Strobe
Wheelock	MIZ-24-HSW-HFR	Mini-Horn/Strobe
Wheelock	MIZ-24-WS-VF-R	Mini-Horn/Strobe
Wheelock	MIZ-24-WS-VF-W	Mini-Horn/Strobe
Wheelock	MIZ-24-WH-VF-R	Mini-Horn/Strobe
Wheelock	MIZ-24-WM-VF-R	Mini-Horn/Strobe
Wheelock	MT-12/24-R	Strobe Horn
Wheelock	MT-24-LS-VFR	Strobe Horn
Wheelock	MT-24-LSM-VFR	Strobe Horn
Wheelock	MT-24-MS-VFR	Strobe Horn
Wheelock	MT-24-IS-VFR	Strobe Horn
Wheelock	MT-24-SL-VFR	Multitone Strobe

Wheelock	MT-24-SLM-VFR	Synch. Multitone Strobe
<b>Manufacturer</b>	<b>Model</b>	<b>Type</b>
Wheelock	MT-24-WM	Strobe Horn
Wheelock	MT-24-WM-VF-R	Strobe Horn
Wheelock	MT-24-WM-VFR	Strobe Horn
Wheelock	MT4-12/24-R	Strobe Horn
Wheelock	MT4-24-LS-VFR	Strobe Horn
Wheelock	MT4-24-LSM-VFR	Strobe Horn
Wheelock	MT4-24-MS-VFR	Strobe Horn
Wheelock	MT4-24-IS-VFR	Strobe Horn
Wheelock	MT4-115-R	Multitone Strobe
Wheelock	MT4-115-WH-VFR	Multitone Strobe
Wheelock	SL-24-VFR	Synchronized Remote Strobe
Wheelock	SL1-24-VFR	Synchronized Remote Strobe
Wheelock	SL3-24-VFR	Synchronized Remote Strobe
Wheelock	SLP-24-VFR	Synchronized Remote Strobe
Wheelock	SLM-24-VFR	Synchronized Remote Strobe
Wheelock	SL1M-24-VFR	Synchronized Remote Strobe
Wheelock	SL3M-24-VFR	Synchronized Remote Strobe
Wheelock	SLPM-24-VFR	Synchronized Remote Strobe
Wheelock	SHW-24-VFR	Synchronized Remote Strobe
Wheelock	SH2W-24-VFR	Synchronized Remote Strobe
Wheelock	SHPW-24-VFR	Synchronized Remote Strobe
Wheelock	SCM-24-R	Controller for Synch. Strobes
Wheelock	V7001T-12/24-W-FR	Strobe Horn
Wheelock	WM3T-24-FR	Remote Strobe
Wheelock	WS1T-24-FR	Strobe
Wheelock	WS3T-24-FR	Strobe
Wheelock	WST-24-FR	Strobe

## 4.2 Door Holder Device

The following UL listed door holder can be used with the IntelliKnight 5820: **ESL DHX-1224**