

**Honeywell**

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**Honeywell Icon Series Console**  
**Read Me First**  
**Important Safety Information**

**EP-DCNXX3**

**HC01-200**

**Revision B**

**08/06**

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## About This Document




This publication contains important safety information. Read it before beginning assembly or installation of the Honeywell Icon Series Console or auxiliary units. This publication also contains an overview of the tasks required to install Honeywell Icon Series consoles.






### Release Information

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Read Me First Important Safety Information - HC01	EP-DCNXX3	Revision B	08/06
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### Symbol Definitions

The following table lists those symbols used in this document to denote certain conditions. Before working on equipment, be aware of the hazards involved with electrical circuitry and standard safety practices to prevent accidents.

Symbol	Definition
	<p><b>CAUTION:</b> Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.</p> <p><b>CAUTION</b> symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual.</p>
	<p><b>WARNING:</b> Indicates a potentially hazardous situation which, if not avoided, could result in serious injury or death.</p> <p><b>WARNING</b> symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual.</p>
	<p><b>WARNING, Risk of electrical shock:</b> Potential shock hazard where HAZARDOUS LIVE voltages greater than 30 Vrms, 42.4 Vpeak, or 60 VDC may be accessible.</p>

Symbol	Definition
	<b>ESD HAZARD:</b> Danger of an electro-static discharge to which equipment may be sensitive. Observe precautions for handling electrostatic sensitive devices.
	<b>PINCH HAZARD:</b> There are certain areas of the Icon Series Console or Table Unit where injury could occur if caution is not exercised.
	<b>Functional earth terminal:</b> Used for non-safety purposes such as noise immunity improvement. NOTE: This connection shall be bonded to Protective Earth at the source of supply in accordance with national local electrical code requirements.
	<b>Earth Ground: Functional earth connection.</b> NOTE: This connection shall be bonded to Protective Earth at the source of supply in accordance with national and local electrical code requirements.
	<b>Chassis Ground:</b> Identifies a connection to the chassis or frame of the equipment shall be bonded to Protective Earth at the source of supply in accordance with national and local electrical code requirements.

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## **1. Introduction**

### **1.1. Read this Document First**

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# 1. Introduction

## 1.1 Read this Document First



### **ATTENTION: Read this document first**

This publication contains important safety information. Read it before beginning assembly or installation of the Honeywell Icon Series Console or auxiliary units. This publication also contains an overview of the tasks required to install Honeywell Icon series consoles.

The *Honeywell Icon Series Console Planning, Installation, and Service Guide* contains detailed assembly and installation procedures for each of these tasks.

*Following the procedures is required to ensure consoles are assembled according to CSA requirements.*

## 1.2 Assembled Icon Units

The following pictures display some of the various ways an Icon Series Console may be configured.



**Figure 1-1 Assembled Icon Units**

## 1. Introduction






### 1.3. Icon Assembly Tasks

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## 1.3 Icon Assembly Tasks

### List of Major Tasks:

Refer to the following table for an overview of the major tasks required in the assembly of a Honeywell Icon Series Dual or Quad Console or table unit. Detailed procedures for all of these tasks are provided in *Honeywell Icon Series Console Planning, Installation and Service Guide HC05*. Those sections marked with the Canadian Standards Association (CSA) logo contain specific requirements that must be followed in order to CSA compliance.

No	Console Assembly Task	<i>Honeywell Icon Series Console Planning, Installation and Service Guide</i>	Section Contains CSA Requirements
<b>Console Assembly</b>			
1	Add backpanel to console base unit	Assemble Furniture	
2	Access cable routing areas	Cable Routing	
3	Mount monitors and connect cables	Install Monitors	
4	Add pop-up disk modules	Add Pop-up Disk Modules	
5	Add hot-swap manual input modules	Add Hot-swap Manual Input Modules	
6	Add OEP module & devices	Add OEP Module & Devices	
7	Connect USB Hub devices	Connect USB Hub Devices	
8	Wire power entry box	Wire Power Entry Box	
9	Install LCN MAU	Install LCN MAU	
10	Install Annunciator relay contact box	Install Annunciator Relay Contact Box	
<b>Add System Platform</b>			
11	Install local electronic module, or Install remote electronics	Install Local Electronic Module, or Install Short Haul Remote System	
<b>Console Startup and Device Configuration</b>			
12	Startup console	Startup Console	
13	Configure devices	Configure Devices	
<b>Console Complexing</b>			
14	Complex console furniture	Complex Console Furniture	



## 1.4 Console Safety Guidelines



### Console Assembly

- Keep tools away from walk areas where you and others could fall over them.
- Wear safety glasses if you are working under any conditions that might be hazardous to your eyes.
- Do not perform any action that creates a potential hazard to people or makes the equipment unsafe.
- Verify that all nuts and other fasteners are secure.



### Console Modifications

Be aware that some types of modifications to the Honeywell Icon Series Console could make the console non-compliant with those standards identified in the “Standards Compliance” section of this publication.



### Safe Operation

To avoid injury, follow these general guidelines when installing, operating or servicing the Honeywell Icon Series Console:

- Use technically qualified personnel to install and service your Honeywell Icon Console and components.
- Do not sit on any worksurfaces.
- Keep fingers aware from all moving parts.



### PINCH WARNING

Pinch Zones – There are certain areas of the Icon Series Console or Table Unit where injury could occur if caution is not exercised. With the advent of the power work surface adjusters, pinch zones are identified with the above warning symbol: When operating the power work surface adjusters ***DO NOT ALLOW FINGERS OR OTHER BODY PARTS TO BE IN THE REGION IDENTIFIED BY THESE LABELS. SAFE OPERATIONS OF THE POWER ADJUSTERS REQUIRES OBSERVING THIS RULE: KEEP CLEAR OF ALL PINCH ZONES WHILE OPERATING THE WORKSURFACES.***

## 1. Introduction

### 1.4. Console Safety Guidelines

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#### Additional References

You can find detailed installation and assembly instructions in the *Honeywell Icon Series Console Planning, Installation, and Service Guide*. The following table lists other sources of information for site planning and installation.

Document Title	Doc ID
Honeywell Icon Series Console Planning, Installation and Service Guide	
Local Control Network Planning Guide	
TPN System Installation	
Keyboards	
Button Configuration Data Entry	
Core Module Test System	
Experion Server and Client Configuration Guide	
Experion Software Installation and Upgrade Guide	
Experion Supplementary Installation and Task Guide	
TPS System Administration Guide	
TPS System Administration Guide (W2K)	
TPS System Implementation Guide	
TPS System Implementation Guide	
TPS System Site Planning	
Planning, Installation, and Service for TPN-Connected Nodes (Dell GX200)	
Planning, Installation, and Service for TPN-Connected Nodes (SVR2/WKS2))	
Planning, Installation and Service for WS360/WS370/WS470	

## 2. Important Safety Information

### 2.1 Electrical Safety



#### Shock Prevention

- To prevent fire or shock hazards, do not expose this unit to rain or moisture.
- Do not spill any liquids into the console or use near water.
- Do not work on the system or connect or disconnect cables during periods of lightning activity.



#### General Safety Precautions

Follow these guidelines when working on equipment powered by electricity:

- Locate the emergency power-off switch for the room in which you are working.
- Never assume that power is disconnected from a circuit; always check the circuit.
- Look carefully for possible hazards in your work area, such as moist floors, ungrounded power extension cables, frayed power cords, and missing safety grounds.



#### Proper Electrical Use

- Use the Honeywell Icon Series Console within its marked electrical ratings and product usage instructions.
- Install the Honeywell Icon Series Console in compliance with the following local and national electrical codes:
  - United States—National Fire Protection Association (NFPA) 70; United States National Electrical Code.
  - Canada—Canadian Electrical Code, Part I, CSA C22.1.
  - Other countries—International Electro Technical Commission (IEC) 364, Part 1.

## 2. Important Safety Information

### 2.1. Electrical Safety

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#### Power Cord Warning

- Before working on a system that has an ON/OFF switch, turn the ON/OFF switch to OFF and unplug the power cord.
- Do not place any heavy objects on the power cord or place it in a location where it may be damaged. Damage to the cord may cause shock or fire.
- Do not use this unit with an extension cord receptacle or other outlet unless the prong can be fully inserted.



#### Routing cords through console

The following figures illustrate the correct way to route cables or cords through the top portion of the console leg. If the cable or cord is not positioned correctly above the flange in the console leg, it may be pinched and damaged creating a potential shock or fire hazard.

**Left Hand**



**Right Hand**





#### Power cable installation

When completely assembled, the standard Quad Icon Series Console will have two to five power cables installed within the console unit. When installing or plugging in power cables, following the procedures in the *Honeywell Icon Series Console Planning, Installation and Service Guide*.



#### Backpanel Safety Shield

If any high voltage equipment or uninsulated wires are mounted inside any of the five varieties of backpanels, you must add a safety shield. The following safety shields are recommended:

- MP-ICSSQ1 Safety shield for Quad Auxiliary Console
- MP-ICSSD1 Safety shield for Dual Auxiliary Console



#### Potential Shock Hazard

If any components or equipment that have exposed high voltage hardware are mounted on a backpanel, one of the following safety shields must be installed:

- Dual console: Honeywell part number MP-ICSSD1
  - Quad console: Honeywell part number MP-ICSSQ1
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## 2. Important Safety Information

### 2.2. Video Monitor Safety

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## 2.2 Video Monitor Safety

### Monitor safety symbols



#### Uninsulated voltage

This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any part inside this unit.



#### Important information

This symbol alerts the user that important literature concerning the operation and maintenance of the unit has been included. It should be read carefully in order to avoid any problems.



#### Unplug the monitor

Immediately unplug your monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled or objects have fallen into the monitor.
- If the monitor has been exposed to rain or water.
- If the monitor has been dropped or the cabinet is damaged.
- If the monitor does not operate normally by following operating instructions.



#### Operation

- Do not remove cover (or back). There are no user serviceable parts inside. Refer servicing to qualified service personnel.
- Do not insert objects of any kind into the monitor cabinet slots, as they may touch dangerous voltage points, which can be harmful or fatal or may cause electric shock, fire, or equipment failure.



#### Monitor handling

- Allow adequate ventilation around the monitor so that heat can properly dissipate. Do not block ventilated openings or place the monitor near a radiator or other heat sources. Do not put anything on top of monitor.
- Handle the monitor with care when transporting. Save packaging for transporting.
- Do not place any monitor on a sloping or unstable cart, stand, or table, as the monitor may fall, causing serious damage to the monitor.

## 2.3 Standards Compliance

If assembled and operated according to the Honeywell supplied documentation, the Honeywell Icon Series Console complies with the following international and specification standards:

- ANSI HFS-100 (withdrawn), ISO 9241 and ISO 11064
- CEmark - Commercial
- CSA 1010

## **2. Important Safety Information**

### **2.3. Standards Compliance**

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## 3. Icon Series Modification Guidelines

### 3.1 Modifying Icon Units

Be aware that modifying the Honeywell Icon Series Console without following the guidelines in this section may make the console non-compliant with those standards identified in Section 2.3 of this publication.

### 3.2 Quad Auxiliary Backpanel Modification Guidelines



#### Do Not Drill Areas

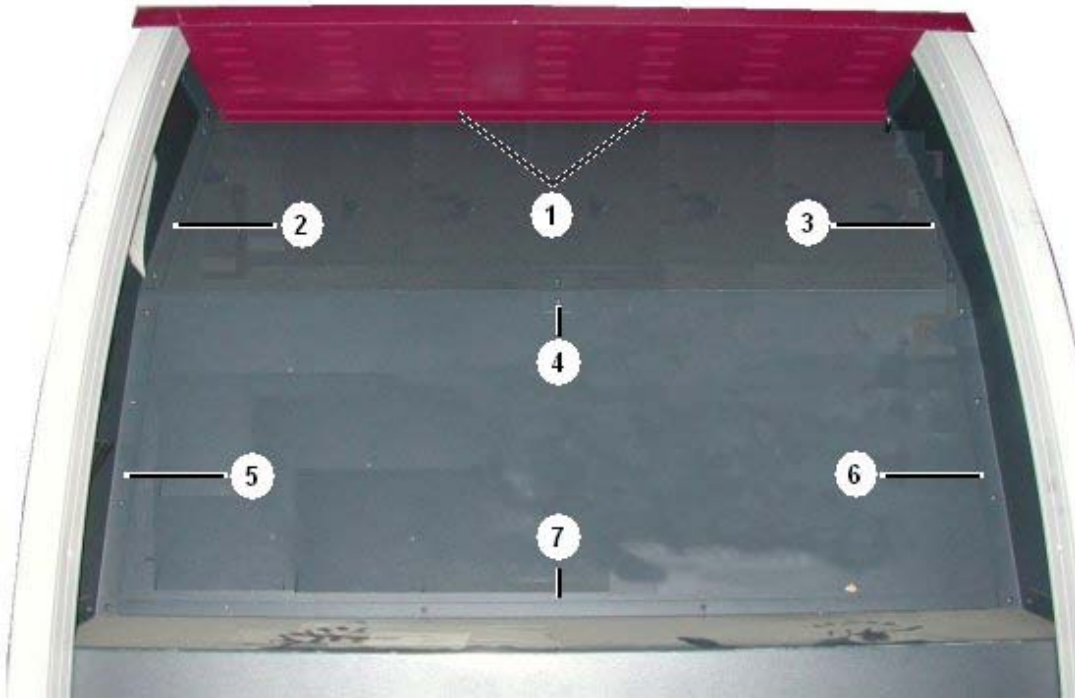
There are seven specific areas on the quad auxiliary backpanel MP-ICQDA1 that must not be modified. Drilling in any of the areas listed in the following table will compromise the backpanel's structural integrity. Refer to Figure 3-1 to identify the specific areas.

No.	Area	Guideline
1	Upper valance area	Do not drill anywhere within 3 in. (7.7 cm) of the top of the auxiliary backpanel.
2	Upper left side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the upper portion of the left strut.
3	Upper right side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the upper portion of the right strut.
4	Mending plate	Do not drill anywhere on the mending plate: 2.5 x 2.5 in. (6.35 cm x 6.35 cm).
5	Lower left side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the lower portion of the right left strut.
6	Lower right side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the lower portion of the right strut.
7	Lower flange	Do not drill anywhere within 2 in. (5.08 cm) of the bottom of the auxiliary backpanel.

### 3. Icon Series Modification Guidelines

#### 3.2. Quad Auxiliary Backpanel Modification Guidelines

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**Figure 3-1 Quad Auxiliary Backpanel**

### 3.3 Quad Upper Auxiliary Backpanel Modification Guidelines



#### Do Not Drill Areas

There are five areas on the Quad Upper Auxiliary Backpanel MP-ICQAU1 also known as “QUAB” auxiliary backpanel that must not be modified. Drilling in any of the backpanel areas listed in the following table will compromise the backpanel’s structural integrity. Refer to Figure 3-2 to identify the specific areas.

No.	Area	Guideline
1	Upper valance area	Do not drill anywhere within 3 in. (7.7 cm) of the top of the QUAB’s auxiliary backpanel.
2	Left side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the upper portion of the left strut.
3	Right side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the upper portion of the right strut.
4	Lower flange	Do not drill anywhere within 2 in. (5.08 cm) of the bottom of the QUAB’s auxiliary backpanel.
5	Lower half of QUAB	Do not drill anywhere in this area.

### 3. Icon Series Modification Guidelines

#### 3.3. Quad Upper Auxiliary Backpanel Modification Guidelines

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**Figure 3-2 QUAB Auxiliary Backpanel**

### 3.4 Dual Auxiliary Backpanel Modification Guidelines



#### Do Not Drill Areas

There are five specific areas on the dual auxiliary backpanel MP-ICDLA1 that must not be modified. Drilling in any of the areas listed in the following table will compromise the backpanel's structural integrity. Refer to Figure 3-3 to identify the specific areas.

No.	Area	Guideline
1	Upper valance area	Do not drill anywhere within 3 in. (7.7 cm) of the top of the QUAB auxiliary backpanel.
2	Left side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the upper portion of the left strut.
3	Right side flange	Do not drill anywhere within 2 in. (5.08 cm) from the outside of the upper portion of the right strut.
4	Bottom flange	Do not drill anywhere within 2 in. (5.08 cm) of the bottom of the auxiliary backpanel.

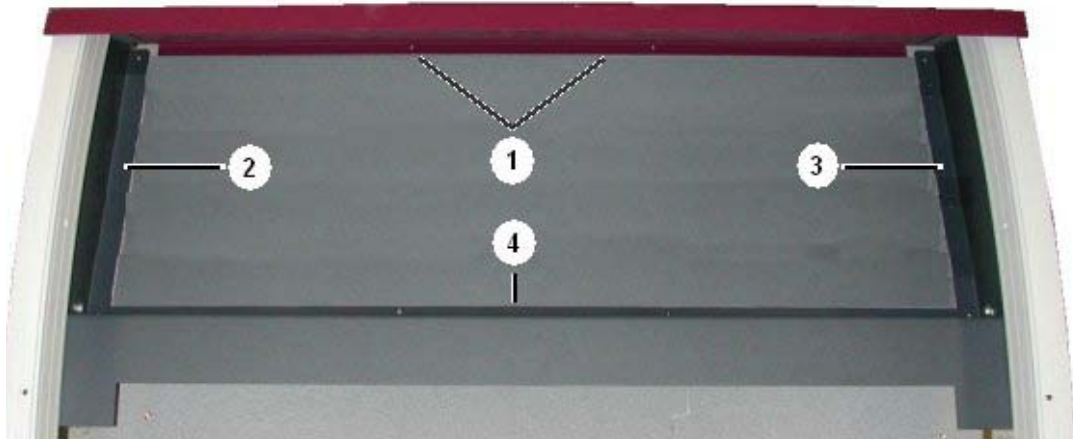


Figure 3-3 Dual Auxiliary Backpanel

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