

Multi-screen installation of LCD Displays or LCD Monitors

EN

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Precautions when installing

To customers

Multi-screen installation of LCD Displays or LCD Monitors requires proper work. Be sure to ask a dealer or installer to install the LCD Display or LCD Monitor properly with full consideration for safety.

Pay close attention to the wiring of the power supply, etc., and do not perform any installation by yourself.



Failure to follow safety precautions may result in fire or personal injury.

This manual describes important precautions to prevent accidents and how to handle the product. **Read this manual thoroughly** to use the product safely. After reading this manual, be sure to keep it where you can see it anytime.

To dealers and distributors

Multi-screen installation requires special skills, so read this manual thoroughly before installation. We are not responsible for any accident or damage caused by improper installation, improper handling, or use of LCD Displays or LCD Monitors other than those supported by the product. Hand this manual over to the customer after the LCD Display or LCD Monitor installation is completed.

Do not block the ventilation holes of the LCD Display or LCD Monitor.

If the ventilation holes of the LCD Display or LCD Monitor are blocked with tape or mounting brackets during installation, heat may build up inside the LCD Display or LCD Monitor and cause a fire.

Target models

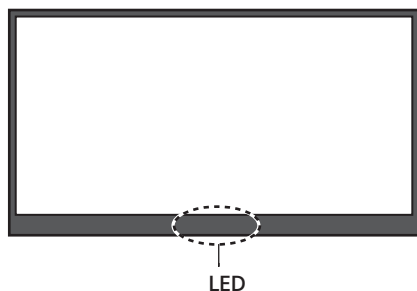
This manual describes the multi-screen installation for the following LCD Displays or LCD Monitors.

FW-85BZ40H / 75BZ40H / 65BZ40H / 55BZ40H / 100BZ40J / 50BZ35J / 43BZ35J / 75BZ30J / 65BZ30J / 55BZ30J / 50BZ30J / 43BZ30J / 32BZ30J / 85BU40H / 75BU40H / 65BU40H / 55BU40H / 100BU40J / 50BU35J / 43BU35J / 75BU30J / 65BU30J / 55BU30J / 50BU30J / 43BU30J / 32BU30J

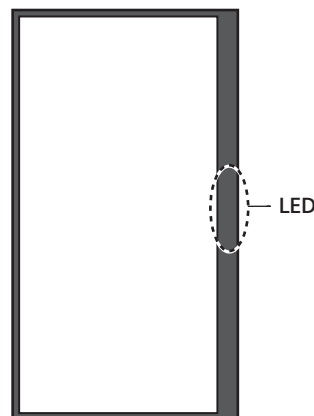
Installation

- Observe the following standards when installing.
- When carrying the LCD Display or LCD Monitor, hold it horizontally as there is a risk of the LCD Display or LCD Monitor falling when you hold it vertically. Be careful not to apply excessive force to the LCD Display or LCD Monitor, as it may cause deformation.
- We recommend regular checks and maintenance to ensure that there is no problem after installation.
- When installing vertically, rotate the LCD Display or LCD Monitor 90 degrees counterclockwise from the horizontal position. Do not rotate the LCD Display or LCD Monitor clockwise to install it.

Horizontal installation



Vertical installation



- When using mounting brackets during installation, the length of the screws to attach to the LCD Display or LCD Monitor depends on the thickness of the mounting brackets. See the following for details.
- For details on the installation angles, refer to "Wall mount unit mounting method" for each of the LCD Displays or LCD Monitors (attached sheet) and the manual supplied with the mounting brackets.

Model name	Screw size		
	A	B	
FW-85BZ40H / 75BZ40H / 65BZ40H / 55BZ40H / 50BZ35J / 43BZ35J / 75BZ30J / 65BZ30J / 55BZ30J / 50BZ30J / 43BZ30J / 85BU40H / 75BU40H / 65BU40H / 55BU40H / 50BU35J / 43BU35J / 75BU30J / 65BU30J / 55BU30J / 50BU30J / 43BU30J	M6	10 mm - 12 mm ($\frac{13}{32}$ in - $\frac{1}{2}$ in)	
FW-100BZ40J / 100BU40J	M8	12 mm - 30 mm ($\frac{1}{2}$ in - $1\frac{3}{16}$ in)	
FW-32BZ30J / 32BU30J	M6	10 mm - 12 mm ($\frac{13}{32}$ in - $\frac{1}{2}$ in)	

Installation conditions

Be sure to observe the following temperature, humidity, and installation conditions when installing.

Temperature conditions

- Keep the ambient temperature of the LCD Display or LCD Monitor* within the specified upper temperature range from 0 °C (32 °F).
- For temperature conditions per LCD Display or LCD Monitor and installation angles, see “Upper temperature limits depending on the LCD Displays or LCD Monitors and installation angles” (page 7 to 8).
- For the installation locations or installation conditions that may result in high temperatures, use an air conditioner or fan to ensure proper ventilation to keep the LCD Display or LCD Monitor within the specified temperature range.

* Ambient temperature is the temperature around the LCD Display or LCD Monitor including the front and back of the panels.

Humidity conditions

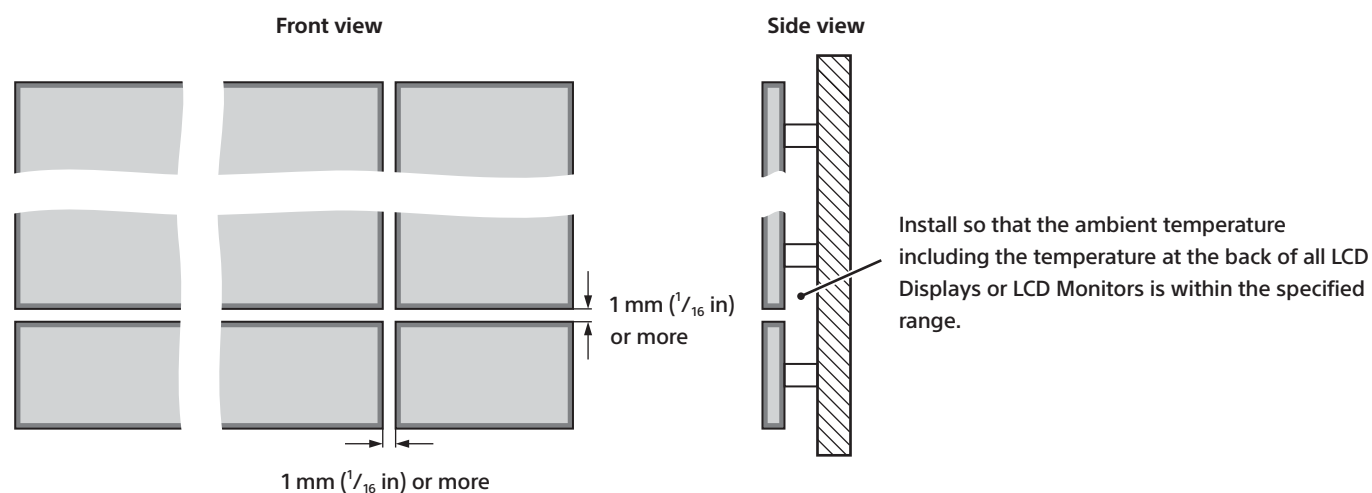
Use the LCD Display or LCD Monitor within the following humidity range.

Model name	Humidity conditions
FW-85BZ40H / 75BZ40H / 65BZ40H / 55BZ40H / 85BU40H / 75BU40H / 65BU40H / 55BU40H	10% to 80% (with no condensation)
FW-100BZ40J / 50BZ35J / 43BZ35J / 75BZ30J / 65BZ30J / 55BZ30J / 50BZ30J / 43BZ30J / 32BZ30J / 100BU40J / 50BU35J / 43BU35J / 75BU30J / 65BU30J / 55BU30J / 50BU30J / 43BU30J / 32BU30J	20% to 80% (with no condensation)

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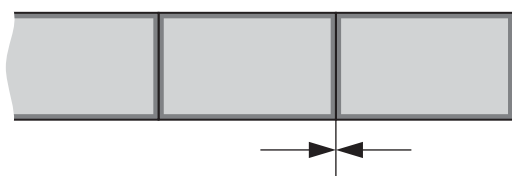
Installation conditions

- Keep a distance of 1 mm ($\frac{1}{16}$ in) or more between LCD Displays or LCD Monitors and do not allow adjacent LCD Displays or LCD Monitors to come into contact with each other.
- Install so that the ventilation holes on the back of the LCD Display or LCD Monitor are not blocked.



When making multi-screen installation in a single row in horizontal installation, the distance between the left and right LCD Displays or LCD Monitors can be 1 mm ($\frac{1}{16}$ in) or less.

Multi-screen installation in a single row in horizontal installation

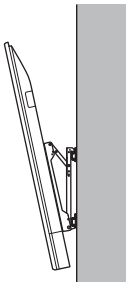
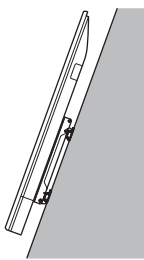


Be careful not to apply a load to each of the adjacent LCD Displays or LCD Monitors.

Upper temperature limits depending on the LCD Displays or LCD Monitors and installation angles

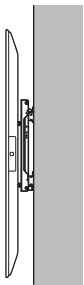
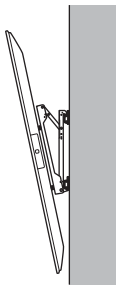
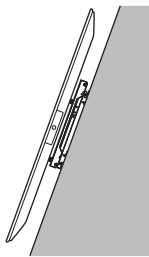
Check the following, and install the LCD Display or LCD Monitor so that it is within the temperature range according to the conditions.

Horizontal installation

Model name	No tilt Forward tilt up to 20 degrees (*Forward tilt up to 15 degrees) Backward tilt up to 20 degrees		
			
FW-85BZ40H / 85BU40H	40 °C (104 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-75BZ40H / 75BU40H	40 °C (104 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-65BZ40H / 65BU40H	40 °C (104 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-55BZ40H / 55BU40H	40 °C (104 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-100BZ40J / 100BU40J*	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-50BZ35J / 50BU35J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-43BZ35J / 43BU35J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-75BZ30J / 75BU30J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-65BZ30J / 65BU30J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-55BZ30J / 55BU30J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	39 °C (102.2 °F) or lower
FW-50BZ30J / 50BU30J	38 °C (100.4 °F) or lower	40 °C (104 °F) or lower	38 °C (100.4 °F) or lower
FW-43BZ30J / 43BU30J	38 °C (100.4 °F) or lower	39 °C (102.2 °F) or lower	37 °C (98.6 °F) or lower
FW-32BZ30J / 32BU30J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower

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Vertical installation

Model name	No tilt Forward tilt up to 20 degrees (*Forward tilt up to 15 degrees) Backward tilt up to 20 degrees		
			
FW-85BZ40H / 85BU40H	35 °C (95 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-75BZ40H / 75BU40H	35 °C (95 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-65BZ40H / 65BU40H	35 °C (95 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-55BZ40H / 55BU40H	35 °C (95 °F) or lower	35 °C (95 °F) or lower	35 °C (95 °F) or lower
FW-100BZ40J / 100BU40J*	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-50BZ35J / 50BU35J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	—
FW-43BZ35J / 43BU35J	40 °C (104 °F) or lower	37 °C (98.6 °F) or lower	—
FW-75BZ30J / 75BU30J*	38 °C (100.4 °F) or lower	37 °C (98.6 °F) or lower	39 °C (102.2 °F) or lower
FW-65BZ30J / 65BU30J*	38 °C (100.4 °F) or lower	38 °C (100.4 °F) or lower	38 °C (100.4 °F) or lower
FW-55BZ30J / 55BU30J*	36 °C (96.8 °F) or lower	37 °C (98.6 °F) or lower	38 °C (100.4 °F) or lower
FW-50BZ30J / 50BU30J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower
FW-43BZ30J / 43BU30J	38 °C (100.4 °F) or lower	40 °C (104 °F) or lower	36 °C (96.8 °F) or lower
FW-32BZ30J / 32BU30J	40 °C (104 °F) or lower	40 °C (104 °F) or lower	40 °C (104 °F) or lower