BEC Integrated Solutions, LLC
5225 Sheridan Dr.
Williamsville, NY 14221

Initial Setup

Carefully remove the contents from the package(s) and verify that you have the following parts for the head end equipment:

- MV200Z console
- 12VDC power supply
- USB-Serial kit
- Antenna
- 2 green output terminal blocks
- UPS450 battery backup
- Programming spreadsheet (optional)
- Programming software disc

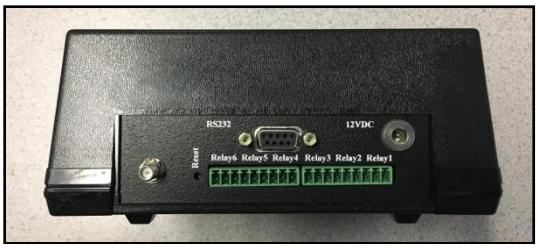
Setting up Head End

1. Connect battery in the battery backup unit. On the bottom, slide out orange plastic clip and press down into battery slot (shown below). Plug the power cable into a wall outlet and press the power button on top of unit.





2. Connect antenna, power cable, and green output terminal blocks to the back of the MV200Z console. Plug the other end of the power cable into the *Battery + Surge* side of the battery backup. The console should power on.





3. If your MV200Z console has been preprogrammed, the devices may now be installed according to the programming spreadsheet included with the shipment. Refer to page 15 and following for device installation instructions.

4. If your MV200Z console has not been preprogrammed, refer to the following sections for software installation and programming instructions. Refer to page 15 and following for device installation instructions.

NOTE: It is extremely important for the proper function of the MV200Z that the console is set up at least 4 feet away from other electronic devices and metal areas. Optimum location for installation is on top of a clean, clear desk.

Installing Software to Program MV200Z Console

Follow these steps in order for proper installation.

1. Install the USB-to-Serial driver by inserting the disc into a laptop or computer. Double-click on the *Setup* file. Follow the on-screen instructions to install the driver.
2. Connect the USB-to-Serial cable between the serial port on the back of the MV200Z console and a USB port on the computer.
3. Install the MV200Z Programming Unit 1.6 by inserting the disc into a laptop or computer. Double-click on the *Setup* file. Follow the on-screen instructions to install the programming unit.

You are now ready to operate the software.

Using the MV200Z Console

Front Display and Buttons



Resting state of the MV200Z console. The Power LED will be illuminated.



Alarm state of the MV200Z console. The Alarm LED will illuminate and the device information (Room 101) will display on the LCD screen. The device index (01) also displays. The locator ID (1603) displays in the bottom right corner, if locators are programmed in. Reset the device in alarm to clear the MV200Z console.

Front Display and Buttons



Pressing the *Increment* button will allow quick viewing of which rooms are currently programmed into the MV200Z console. For active rooms, the Active LED will illuminate. Press the *Increment* button to go through each room. When active room list has run out, the Inactive LED will illuminate. Let the LCD screen sit for 10 seconds to revert back to home screen.



If the device in alarm is programmed as a Persistent Alarm, then to clear the alarm from the MV200Z console the *Increment* button must be pressed. The LCD display will show a message "Call-Clear" (see above). When this happens, press the *Clear* button. The alarm will clear from the console.

Front Display and Buttons



When the battery in a device is getting low, it will send a signal to the MV200Z console. The Low Bat LED will illuminate and the LCD display will read “Low Battery” for the specific room. *This means that the battery should be replaced within **one week** for the device to continue to operate normally.*



When a device goes into fault, the Inactive LED will illuminate and the text “Device Fault” will display, showing the device index and the room device that is in fault. For more information on device faults, see page 12.

Additional Information

Device Faults

Each device for your system is supervised by the MV200Z console. The devices send out a supervisory signal every hour that checks in with the console. If a supervisory signal is not seen for a device within the programmed fault window (default 18 hours), then the MV200Z will display a Device Fault alarm for that device.

Common Causes for Device Faults

- Dead battery
  - Fix: Replace battery.

- Device has left the facility.
  - Fix: Return device to facility or replace with a new device. Ensure the correct ID of the new device is programmed in place of the old device.

- Incorrect ID has been programmed in.
  - Fix: Check to see if the physical device ID matches the programmed ID for that device.

- Antenna has been disconnected from the MV200Z console.
  - Fix: Attach antenna to the back of the MV200Z console.

- Device has been damaged.
  - Fix: Replace with a new device and ensure that the correct ID of the new device is programmed in place of the old device.

After checking and fixing these common causes for faults, alarm the device to clear the fault from the MV200Z console. If none of these options clears the fault, please call Systems Technologies Technical Support at (208)-762-6800 for further assistance.

Installing Devices

Repeaters



NOTE: All types of repeaters have a maximum 75 ft.-radius coverage area. These repeaters need to be spaced no more than 150 ft. from other repeating/receiving units.

Repeater layout has been preconfigured by your sales engineer. Please install the repeaters according to floor plans provided to you. If there are any questions, call Systems Technologies before proceeding.

Installing Low Power Repeaters (VL135LP-B7):

1. Attach small black antenna to the top of the repeater.
2. Plug in orange plastic terminal black to bottom of the repeater.
3. If your repeater is a battery backup model (VL135LPB-B7), the orange connecter should have a small jumper (see right) next to the input power wires.



4. Attach the other end of power wires to the TP1220 transformer. It does not matter which wire goes where.
5. Plug into wall outlet. The red power LED on the bottom panel will illuminate.
6. Repeater will initialize by temporarily illuminating all three red LED on the bottom panel.
7. Repeater is now ready to be programmed into the MV200Z console.

Push Button Stations

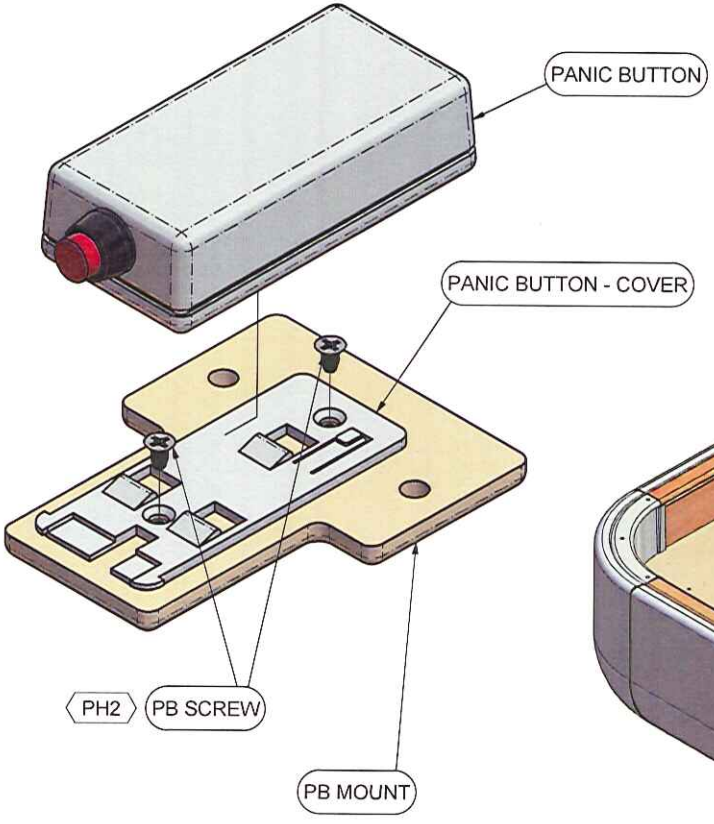


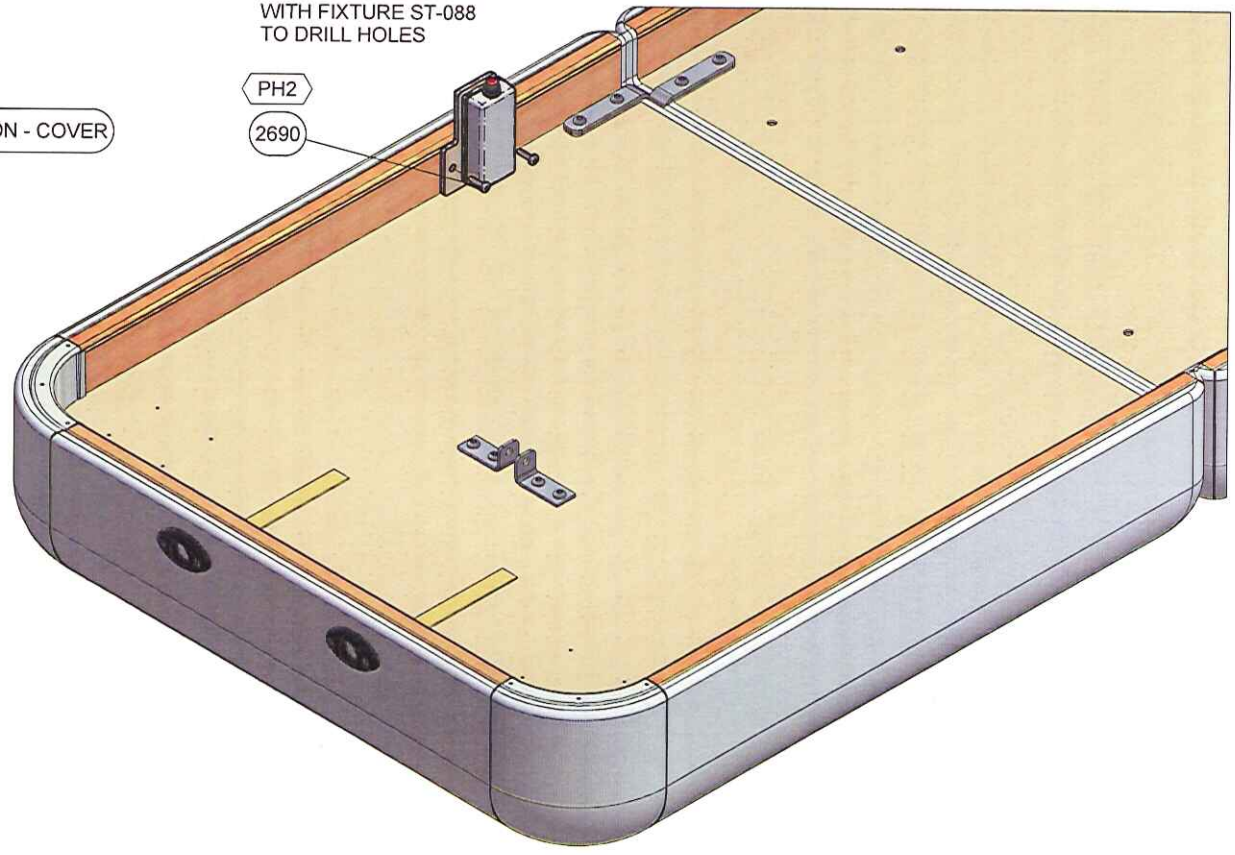
If your MV200Z system was programmed by Systems Technologies, please refer to your programming sheet when installing the pull stations. The programming sheet will tell you which devices go into which rooms.

Installing Push Button Stations:

1. Remove pull station from packaging.
2. Remove blue battery tab from battery to power up the pull station.
3. Press the reset button on the back of the circuit board.
4. Check for ID sticker on the back of the pull station. This number will be programmed into the software to associate it with a room. If your system is not already programmed, **take note of this ID and record which room you are installing it into**.

Attention Button





NOTES:
1) FASTENER TORQUE STANDARD IS ANGLE TURN METHOD, 1/4 TURN PAST FLUSH UNLESS OTHERWISE NOTED.

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SYMBOL LEGEND
⟨XX⟩ = TORQUE FT/LBS
⟨XXX⟩ = TOOL SIZE

UNLESS OTHERWISE NOTED
DIMENSIONS ARE IN INCHES.
ALL DIMENSIONS ARE +/- .12"
ANGULAR +/- 5 DEG
DO NOT SCALE DRAWING

DESIGNER: ADE
DATE: 7/10/2012

REVISIONS

REV	DESCRIPTION	AUTHOR	ENG APP'D	CHECKED BY	MFG APP'D
3	ECO 19-002; ADDED SHEET FOR OPTIONAL PANIC BUTTON	INIT: JSC	ADE	WW	RM
		DATE: 1/10/2019	1/10/2019	1/10/2019	1/10/2019
		RELEASE DATE: 1/10/2019			

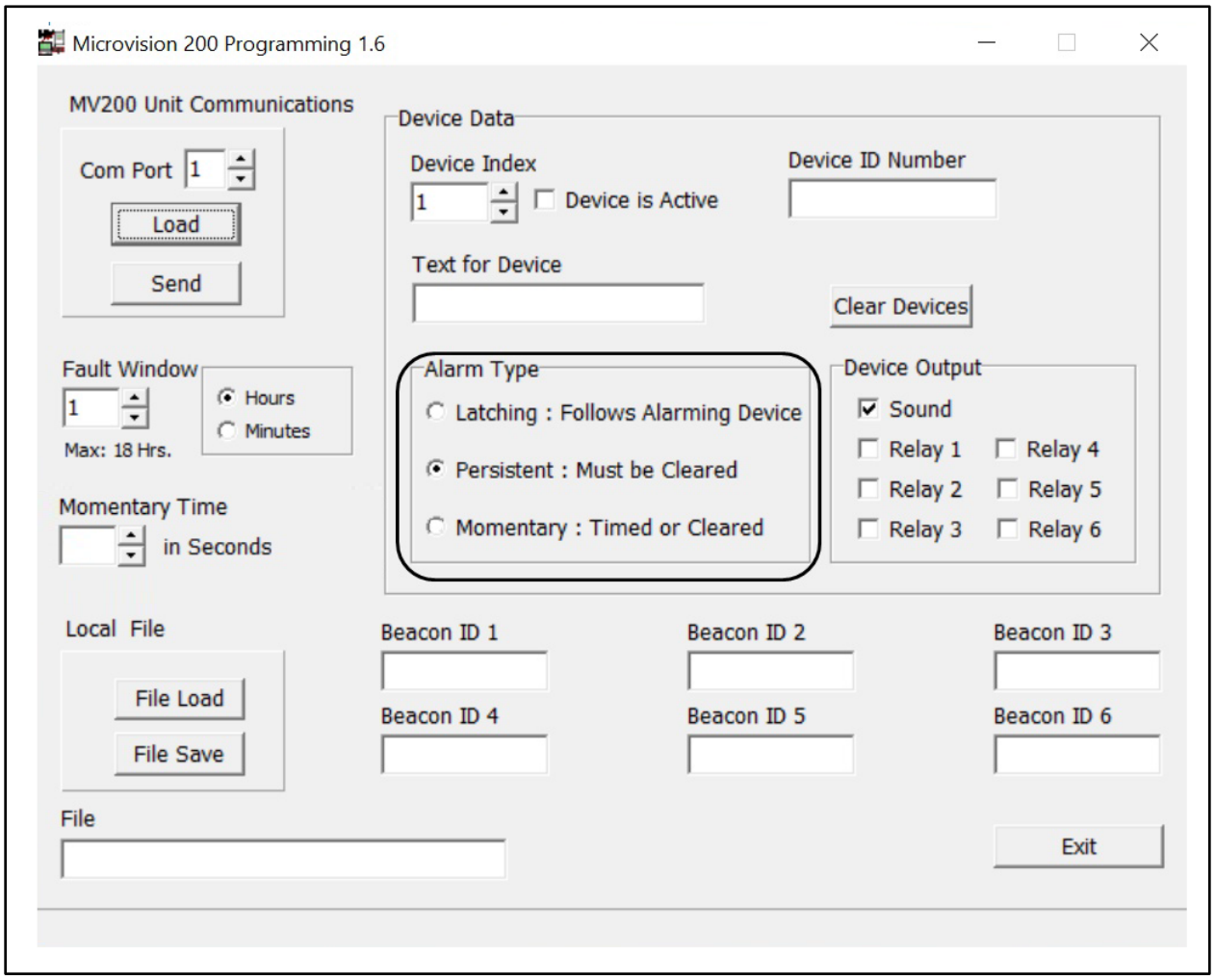
TITLE NAME: PXSLBR29.iam

OAKWORKS INC.
NEW FREEDOM, PA.

PROLUXE - LIFT-ASSIST BACKREST ASSY (29)

PART NO: PXSLBR29 REV: 3
SCALE:

Default Settings MV200Z Console



1. Connect the Serial to USB cable to the back of the MV200 and USB port.
2. BLACK BOX:
    a. Latching means that the device will stay in alarm until it is physically reset.
    b. **Persistent means that the device will stay in alarm until it is cleared from the console.**
    c. Momentary means that the device will stay in alarm until the *Momentary Time* is elapsed.
    d. **The MassageLuXe Default is "Persistent" & The alarm must be cleared at the console.**