

Balcrank[®]

**FUSION
ZONE KEYPAD
Model 3110-014**



Thoroughly read and understand this manual before installing, operating or servicing this equipment.

**OPERATION, INSTALLATION,
MAINTENANCE AND REPAIR GUIDE**

Disclaimer

The user/purchaser is expected to read and understand the information provided in this manual, follow any listed Safety Precautions and Instructions and keep this manual with the equipment for future reference.

The information in this manual has been carefully checked and is believed to be entirely reliable and consistent with the product described. However, no responsibility is assumed for inaccuracies, nor does Balcrank Products, Inc. assume any liability arising out of the application and use of the equipment described.

Should the equipment be used in a manner not specified by Balcrank Products, Inc., the protection provided by the equipment may be impaired.

Questions or Service Assistance

If you have questions regarding the product or this document contact:

Balcrank Products, Inc.
115 Reems Creek Rd.
Weaverville, NC 28787

Telephone: (828) 645-4261
(800) 747-5300

Fax: (828) 658-0840
(800) 763-0840

On the Web: www.balcrank.com
or call your local Balcrank Products, Inc. representative.

Product Identification Information

Record the product identification numbers from the nameplate here.

Model Number _____

Serial Number _____

Tag Number _____ (if applicable)

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BEFORE YOU BEGIN

Product Unpacking and Inspection

NOTE: *If damage to the shipping container is evident upon receipt, request the carrier to be present when the products are unpacked*

Upon receipt of the products, perform the following unpacking and inspection procedures:

Follow any instructions that may be marked on the exterior. Carefully open the shipping package. Remove all cushioning material surrounding the products and carefully lift the products from the package.

Retain the package and all packing material for possible use in reshipment or storage.

Visually inspect the products and applicable accessories for any physical damage such as scratches, loose or broken parts, or any other sign of damage that may have occurred during shipment.

NOTE: *If damage is found, request an inspection by the carrier's agent within 48 hours of delivery and file a claim with the carrier. A claim for equipment damage in transit is the sole responsibility of the purchaser.*

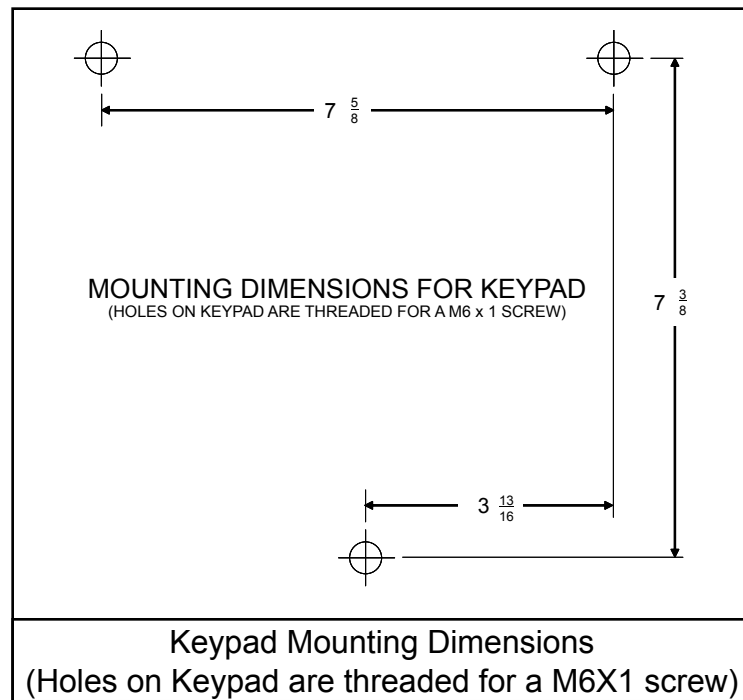
MOUNTING ZONE KEYPAD

The Zone Keypad should be mounted upright with the antenna pointing upward, near a 120VAC electrical outlet.

The Keypad should be mounted to a structurally sound wall using the three holes in the Keypad back plate. Mounting height should be 5 to 6 feet for consistent access.

Care should be taken to avoid mounting the keypad behind any steel objects that may block the RF signals from Hoses/Meters.

Care should be taken to avoid direct, significant, heat sources.



NOTE: Zone Keypad should *not* be mounted within 20 feet of a Dispense Keypad.

Specifications

Power Requirements: 120VAC 50/60Hz

RF Communications: 2-way, 902-928MHz Frequency Hopping Spread Spectrum per FCC

Operating Temperature: 14° F to +140° F (-10° C to +60° C)

**FCC ID: GIF-RF KEYPAD
FCC CERTIFIED, PART 15, SUB-PART C**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

DESCRIPTION OF ZONE KEYPAD KEYS



Keypad Screen

Keypad Keys



Zone Keypad



Scroll Key: Used to select options on the active display



Home Key: Pressing this key returns the display to the default screen display



Backspace Key: Used to backspace when entering data



Enter Key: Used to enter data and move to the next screen



Space Key: Used to enter a space character when entering data



Alphanumeric Keys: Used to enter numbers and letters on the display. Hold the key down until the desired letter is displayed (approximately three (3) seconds). Then release the key.

OPERATOR SECTION

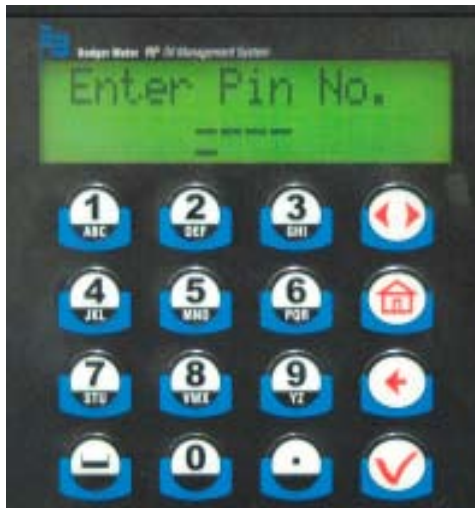
Default Screen



The default screen shows the software version number for informational purposes only.

NOTE: Actual version may not be the same as shown on this screen.

The default screen alternates between the system version screen and the Enter Pin No. screen.

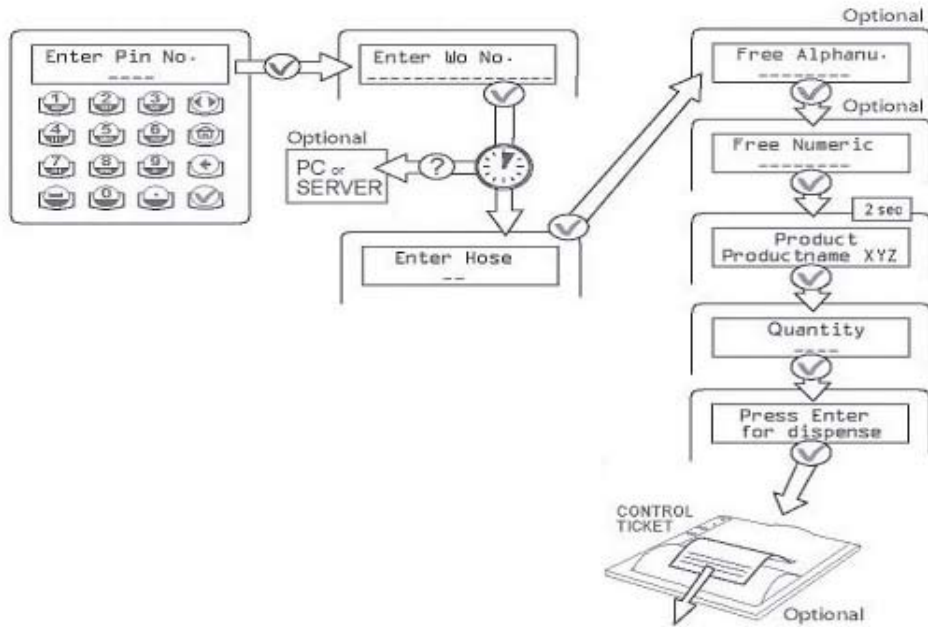


The Enter Pin No. screen displays for 4 seconds out of every 5 seconds.


The Enter Pin No. screen is used by the operator to access Work Orders.

Operation - Dispense Order Process

The Dispense Keypad is used by the operator to select a dispense order. The Dispense Keypad verifies the User Pin Id before access to a pending Work Order is allowed.



Enter Pin No. Screen

To dispense fluid, the operator enters his/her 4-digit Pin No. Press the Enter key  to continue.

NOTE: The system validates the Pin No. to allow only authorized users to access the system.

The Enter Pin No. screen clears if the Pin Number that is entered is not valid.

Enter WO No. Screen




Enter the desired Work Order number.

Press the Enter key  to continue.

NOTE: To get an alpha on screen, press and hold the letter key until it appears (approximately three (3) seconds).

The PC/Host computer validates the Work Order number.


If the Work Order number is not valid then “WO Refused” appears on screen.

Press Backspace  to clear the error and enter a valid Work Order number.

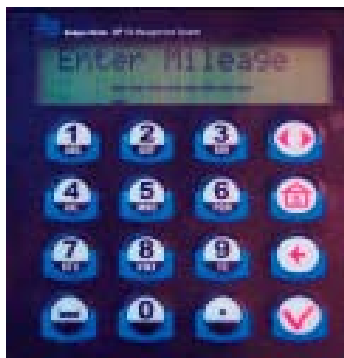
Registration or License Plate Screen (Optional)




Enter the Registration number of the vehicle. Enter up to 10 alphanumeric characters.

Press Enter  to move to the next screen.

Vehicle Mileage Screen (Optional)



Enter the current mileage on the vehicle.

Press Enter  to move to the next screen.

Enter Hose Screen



Enter a valid Hose/Meter number for the Dispense.

Press the Enter key  to continue.

NOTE: *This number is from 1 – 250. Only valid Hose numbers are accepted. Only hoses associated with the Dispense Keypad can be used.*

If an incorrect Hose number is entered, the display remains on this screen.

If there is an on going Dispense already in process a new Dispense order for this Hose is not accepted.

The system validates that the Hose selected is the correct Fluid for the Work Order.

Product Screen



There is no data entry required for this screen. This screen displays for three (3) seconds and then it goes to the Enter Quantity screen.

Enter Quantity Screen




On this screen the amount of fluid from the Work Order is displayed.

Press the Enter key  to continue.

Note: *Quantity may be from 0.0 – 99.9 and 100 – 999.*

There can only be one digit after the decimal point.

Dispense Quantities from 100 – 999 are in the count down mode


If the batch quantity needs to be overridden, insert a new quantity and press Enter .

Dispense Confirmation Screen



Press the Enter key  to confirm the Dispense.

The Dispense Keypad is now programmed. You can now access the hose and dispense the fluid.

NOTE: *Pressing the Home key  cancels the order entry process and returns you to the Enter Pin Number screen.*

System Messages on Keypad Screens

Wrong Hose for fluid.	The Hose selected is not a valid Hose for the Fluid assigned for this Work Order. Select a different Hose or a different Dispense Keypad.
RF Communication.	System communication is in progress. Wait.
Hose active. Click on Reset.	The Meter has a Work Order in progress. Complete this Work Order by pressing Reset on the Meter.
Master/Host is down.	The serial connection for communications is currently not available or the Keypad Program Server (KPS) is not running. See the Supervisor.
Communication error.	Master/Host is down. See the Supervisor.

Balcrank Lubrication Equipment Warranty Statement

All Balcrank equipment sold by authorized Balcrank distributors is warranted to their original customer to be free from defects in materials and workmanship for a period of one year from the date of sale to that customer. Selected Balcrank equipment carries warranty terms for a more extended period as defined in the Balcrank Lubrication Equipment & Accessories User Price List, wherein a "lifetime" warranty represents a warranty period of thirty years. Within the initial one-year warranty period, Balcrank will repair or replace all Balcrank equipment determined by Balcrank to have defective materials or workmanship. For equipment carrying more extended warranties, Balcrank will repair or replace the product including parts and labor during the first full year and will provide parts only for the remainder of the warranty period.

This warranty applies only to equipment installed and operated according to applicable Balcrank Service Bulletins and Installation Instructions.

Any equipment claimed to be defective must be returned, freight prepaid, to an Authorized Balcrank Service Center (ASC). Upon receiving candidate warranty equipment from a customer, ASC will: 1) diagnose to determine the warrantable condition of the equipment, 2) submit, prior to repair or replacement, a request to Balcrank for warranty authorization, then 3) in cooperation with Balcrank, proceed with repair locally or forward the equipment to Balcrank and obtain replacement. If the part(s) or equipment items are found defective upon inspection by Balcrank, they will be repaired or replaced, and then will be returned to the ASC. If Balcrank finds the claimed part(s) or equipment not to be defective, the ASC will receive written authorization from the original customer, and then repair them for a reasonable charge to the customer, which will include all applicable parts, labor, and return transportation costs.

Optionally, the customer may submit certain eligible products directly to Balcrank for warranty return by using Balcrank Lubrication Equipment Direct Service Warranty Procedure. Eligible products are defined in the Balcrank Lubrication Equipment & Accessories User Price List. Refer to the Balcrank web site www.balcrank.com for a copy.

Any equipment returned to Balcrank must have the Warranty Service Claim number (WSC#) clearly marked on the outside of the carton. Balcrank's sole responsibility is for defects in material and workmanship, and Buyer's sole and exclusive remedy hereunder, shall be limited to repair or replacement of the defective part or equipment.

This warranty does not cover, nor shall Balcrank be liable for repair or replacement of parts or equipment resulting from general wear and tear through use, or damage or failure caused by improper installation, abuse, misapplication, abrasion, corrosion, insufficient or improper maintenance, negligence, accident, alteration, or substitution of non-Balcrank parts.

Furthermore, the Warranty for Lubrication Equipment and Accessories does not cover the following specific conditions:

- Failure or damage to equipment caused by dirt or debris in compressed air lines and fluid lines. This includes, but is not limited to, clogged inlet filters, strainers, or regulators; fluid meters; control handles; fluid tips; and valves.
- Failure of normal wear parts including but not limited to: o-rings, packings, seals and valves unless originally improperly installed by the factory.
- Products placed in applications for which their use was not intended. Examples include but are not limited to Lubricant pump being used to pump solvents, or placing equipment intended strictly for indoor use outdoors
- Damage to equipment resulting from operation above and beyond Balcrank's recommendations.
- Leaks at air and fluid fittings and connections.
- Damage caused by thermal expansion whenever adequate pressure relief was not included in the system.
- Loose suction tubes on pumps.
- Incorrect hose reel spring tension, requiring adjustment.

THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL BALCRANK BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, OR OTHER DAMAGES OF SIMILAR NATURE, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOST PRODUCTION, PROPERTY DAMAGE, PERSONAL INJURY, WHETHER SUFFERED BY BUYER OR ANY THIRD PARTY, IRRESPECTIVE OF WHETHER CLAIMS OR ACTIONS, LEGAL OR EQUITABLE, FOR SUCH DAMAGES ARE BASED UPON CONTRACTS, WARRANTY, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE. ANY CLAIM OR ACTION FOR BREACH OF WARRANTY MUST BE BROUGHT WITHIN TWO (2) YEARS FROM THE DATE OF SALE TO THE ORIGINAL CUSTOMER.

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