

Microcoin® QL

Quantum Leap

INSTALLATION INSTRUCTIONS

1. Install or replace long drop bracket on faceplate.
2. Coin cup may need to be removed and re-attached in order to mount faceplate.
3. Place Microcoin QL into the bracket and secure with lockable brace.
4. The two holes on the lockable brace are designed to fit over the screw heads on the back of the QL coin mechanism.

WIRING INSTRUCTIONS

NOTE 1: The blue and green wires are interchangeable.

NOTE 2: Dixmor timer users should skip to step 4.

1. Connect the black and a blue or green wire to the 24 VAC.
2. Connect the yellow wire to the Neutral.
3. The other blue or green wire (see note 1) connects to the timer coin pulse.
4. Dixmor timers only:
 - Connect black wire to 24 VAC.
 - Connect yellow and a blue or green wire to Neutral.
 - Connect the other blue or green wire to timer coin pulse.

PROGRAMMING INSTRUCTIONS

Do not program in nickels, dimes, quarters or dollar coins.

They are preprogrammed on lines 7-12 and can be turned on/off infinitely.

The blue and green wires are hooked up to a normally open relay.

NOTE 1: Coins that are preprogrammed should not be programmed a second time.

NOTE 2: Programmed coins can be turned on/off with out reprogramming by using the **ENABLE** or **DISABLE** functions.

If you need a 24 volt AC pulse follow steps 1-3.

1. Press the Push/Program button 3 times, quickly. The Indicator Light will flash yellow. The LED/Display will show "1" to represent category number 1.
2. Pressing the Push/Program button a second time will program the coin to the next category number, up to category 5.
3. When the appropriate category is showing on the LED/Display, drop 10 different coins through the acceptor. (The coins will drop through the coin reject slot.)
4. When the 10th coin has been sampled the Indicator Light will turn solid yellow.
5. Press the Push/Program button once. The LED/Display will read "0". This is the value.
6. Press the Push/Program button one time for every 0.25 increment the token is worth, i.e.. "4" gives the token a \$1.00 value (Press the Push/Program button 6 times and the LED will read "6", the token value will be \$1.50), up to \$2.50 value.
7. When the appropriate value is assigned, press and hold the Push/Program button for 2 full seconds.
8. When the Push/Program button is released the Indicator Light will be solid green.
9. Test the QL. When complete, note the token and value on the side of the Microcoin QL.

DISABLE

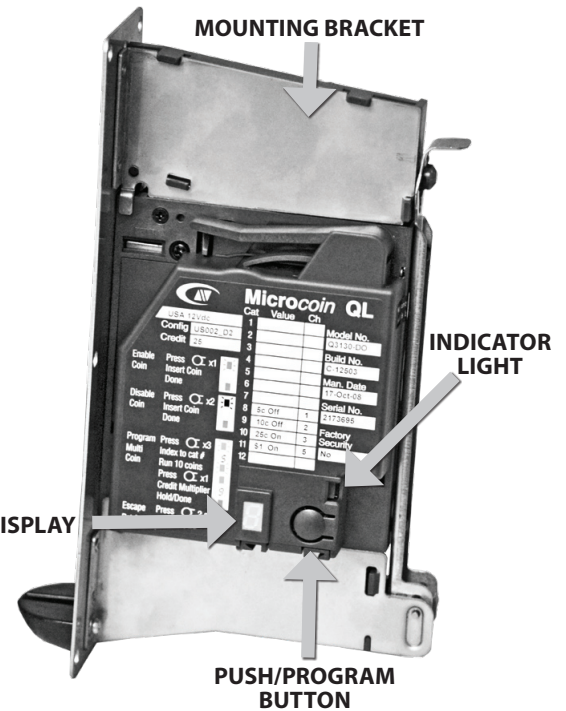
The **Disable** function is used to disable a coin temporarily or for long periods of time.

1. Press Push/Program button 2 times, quickly. The Indicator Light will flash red.
2. Drop coin 1 time. The Indicator Light will turn solid green.

ENABLE

The **Enable** function is used to reactivate a coin that is already programmed.

1. Press Push/Program button 1 time. The Indicator Light will flash green.
2. Drop coin 1 time, the Indicator Light will turn solid green.



TROUBLE SHOOTING GUIDE

PROBLEM - ALL COINS REJECTING

| Cause | Action |
|------------------------------|---|
| No power, no Indicator Light | Check incoming voltage |
| Low voltage | Monitor voltage |
| Water in coin path | Allow to dry |
| Programming mode interrupted | Return to programming mode and follow guide to reprogram most recent coin (If is mode started and not completed all coins reject) |

PROBLEM - TIMER NOT COUNTING

| | |
|----------------------|-------------------------|
| 24 V/Common reversed | Refer to wiring section |
|----------------------|-------------------------|

PROBLEM - ONE COIN REJECTING

| Cause | Action |
|-------------------------|--|
| Coin disabled | Enable coin |
| Not programmed | Program coin |
| Slightly different coin | Re-program coin using 10 different samples |
| "Look alike" coin | Coin is actually different and can be accepted by programming an additional category |

PROBLEM - COIN JAM

| Cause | Action |
|----------------------|------------------------|
| Full coin box | Empty box and QL |
| QL sitting crooked | Re-insert into bracket |
| Coin path obstructed | Remove foreign object |

Programming and trouble shooting information available at www.hpws.com. If you have questions you can email them to electronicsdept@hpws.com

If you need to send your QL for repair please include information for all warranties and service, the nature of the problem, company name and contact person, daytime phone number, return shipping address and method of payment to the address below.

Microcoin QL Warranty: Two year parts warranty from date shipped from factory. Two year labor warranty from date shipped from factory. Repair or replacement at factory option. Damage due to improper wiring, corrosion, vandalism, or water damage is not covered for any reason. *Customer is responsible for the freight charges regardless of cause or outcome.*