



## BV20 and BV100 Bill Acceptor – Quick Start Guide

Standard set up on the BV20 and BV100 is a pulse interface at 50/100 milli-seconds setting at four pulses per dollar. If you require another type of interface please see the attached programming card or contact your local sales office at:

Bellis Technologies Inc.  
520 Twin Rail Dr. Unit E  
Minooka, IL 60447  
Telephone: (815) 467-3975  
Website: [www.bellis-technology.com](http://www.bellis-technology.com)

### Electrical

3 Wire Harness Connection (if used)

**Red:** 12V DC power supply (min.1.5 amp) - ± 10% DC only

**Black:** Ground Power Supply

**Green:** Credit pulse (active low) to board or coin switch.

### 110 Volt A/C Option

**Pin 2:** - 110VAC Neutral Enable (Orange Wire) When Used

**Pin 3:** - 110VAC Live Enable (Red Wire) When Used

**Pin 4:** - 110VAC Live Power (Black Wire) **85VAC** to **130VAC** supply at 50 to 60Hz.

**Pin 6:** - 110VAC Neutral Power (White Wire)

**Pin 7:** - Relay Contact (Brown Wire)

**Pin 8:** - Relay Contact (Blue Wire)

The Bill acceptor relay contacts are capable of handling a 1Amp load at 110VAC. Due to the relay contact bounce; it is recommended that the customer's software incorporate a 10mSecond software delay to debounce the relay contacts.

### Programming

The US dataset has been set up in the following configuration:

Channel 1 = USD \$1, Channel 2 = USD \$5, Channel 3 = USD \$10, Channel 4 = USD \$20, Channel 5 = USD \$50, Channel 6 = USD \$100,

Changes to pulse speed, number of pulses per dollar, and denominations accepted can be performed by referring to the programming card instructions.

**Cleaning** interval will be determined by environment and usage.

- **NEVER** use any type of solvent based or corrosive type of cleaner on the bill path. Use of any type of alcohol based cleaner will permanently damage the acceptor.
- If the lenses have been badly scratched replacement is necessary. Do not attempt to polish out scratches.

### Fault Finding

Problem	Check:	Solution
Acceptor will not take bills:	Is Led flashing on the front of the bill acceptor? No.  Yes	Check power supply. Power supply 10.5 to 15 Volts DC only minimum 1.5 amps. Check for proper programming. Check for necessary clearance for note ejection after acceptance.
Acceptor runs slowly or intermittently:	Make sure there are no foreign objects in the bill path  Check voltage level of supply  Check for damage	Clean the bill path.  Ensure correct supply and sufficient current.  Replace necessary components.
Bills pass through the acceptor but did not give credits	Is the power supply within specification?	Ensure correct supply and sufficient current. Also check for necessary clearance for note ejection after acceptance.
Unit rejects genuine notes	Check that the unit has been programmed to accept this note.	Reprogram as necessary.