

# VASARIO™ SERIES CASH DRAWER

## INSTALLATION & MAINTENANCE INSTRUCTIONS

This information applies to the Vasario™ electronically and manually activated cash drawers.

### GETTING STARTED

Prepare a location for the cash drawer. Recommendations for a suitable location include:

- A sturdy, level surface no less than the size of the cash drawer
- Operating temperature from 40° F to 105° F (5° C to 40° C)
- Operating, non-condensing relative humidity from 10% to 90%.

### LOCK FUNCTIONS – ELECTRONICALLY- ACTIVATED CASH DRAWER

The key lock provides four functions: locked closed/open, electrically on-line, and manually open. See Figure 1. The key may be removed in the 12 o'clock (Electrically On-Line), or 3 o'clock (Locked Closed/Open) positions.

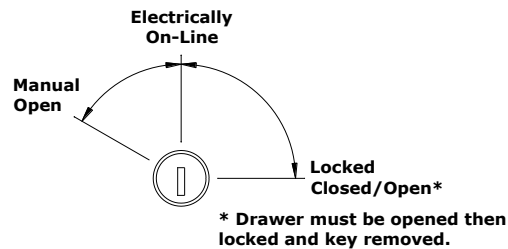


Figure 1

### LOCK FUNCTIONS – MANUALLY-ACTIVATED CASH DRAWER

The key lock provides two functions: locked open, and locked closed/opened. See Figure 2. The key may be removed in the 12 o'clock (Closed, not locked), or 3 o'clock (Locked Closed or Locked Open) positions.

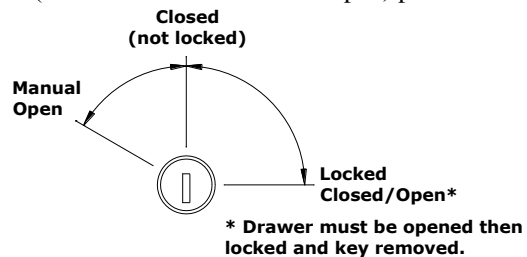


Figure 2

Lock Notes: Two keys are included with each cash drawer for the manual lock. To reduce the risk of damaging or breaking the key, avoid leaving it in the lock during normal operation.

### REMOVING THE DRAWER

Open the cash drawer and remove the plastic coin and bill tray. Grasp the drawer by the sides of the front and lift the drawer up until it stops. Tip the front of the drawer down and pull the drawer out at an inclined angle.

See Figure 3

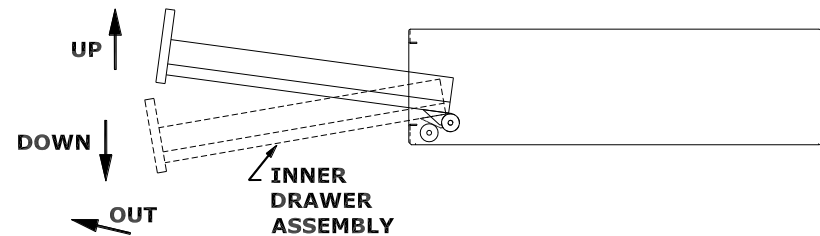


Figure 3

**Caution:** Be careful not to damage the lock bar mounted on the bottom of the drawer.

### REPLACING THE DRAWER

With the drawer front tipped down at an inclined angle, insert the drawer into the case about 2 inches. Lift the drawer up until it stops, and pull the drawer out until it stops and drops into operating (horizontal) position.

See Figure 3. When the inner drawer is fully inserted, verify that the drawer opens and closes properly.

### PREVENTATIVE MAINTENANCE

Every six months the cash drawer slides should be cleaned and lubricated. Using a dry, lint free cloth, wipe out the old grease, along with any accumulated dirt or debris, from the tracks and on the wheels. Do not use water or any type of liquid cleaner. After the old grease has been removed, apply a **thin** layer of lithium bearing grease to the front and rear wheels.

### PARTS AND ACCESSORIES

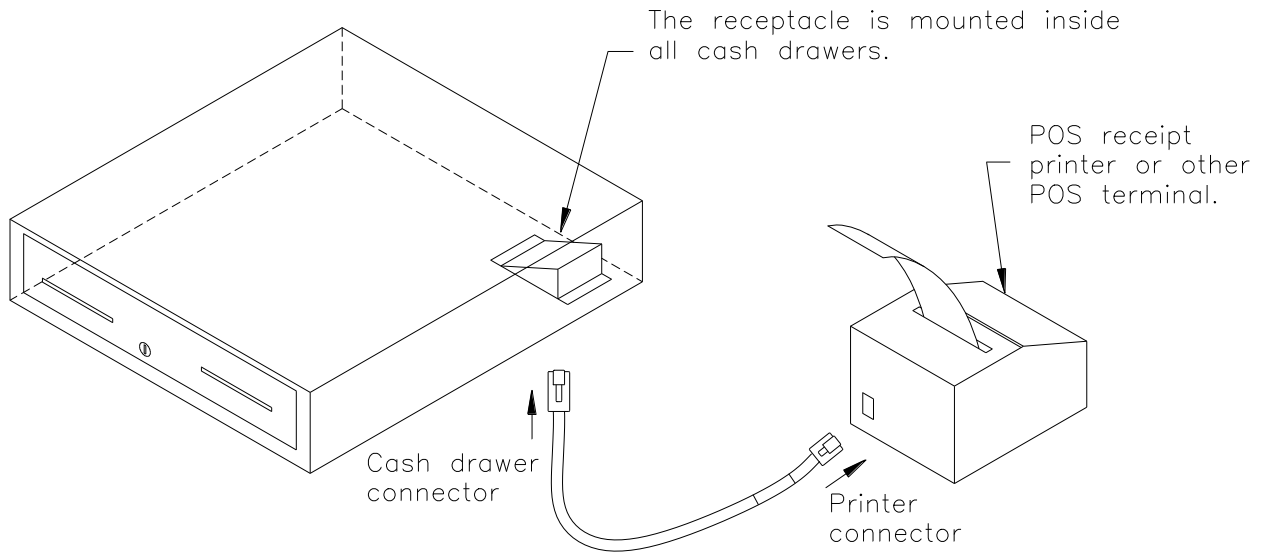
Contact your supplier for parts and accessories for your cash drawer.

**CAUTION:** Breaking coin rolls on the edge of the drawer front or plastic cash tray may damage the drawer front or cause the plastic to fracture.



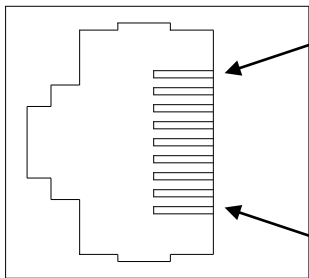
## MultiPRO<sup>®</sup> Interface Product Guide for Electronically-Activated Vasario<sup>™</sup> Cash Drawer Model 320 / 420 Interface

The MultiPRO<sup>®</sup> Interface has been designed to connect APG cash drawers to various Point of Sale receipt printers or terminals using interchangeable and detachable cables. A drawer open/closed switch included in the cash drawer is used to report status. The cash drawer connector is an RJ45 (8-pole) receptacle either in the base or the divider.



Model 320 MultiPRO<sup>®</sup> Interface is used for 24VDC applications.  
Model 420 MultiPRO<sup>®</sup> II Interface is used for 12VDC applications.

### Cash Drawer Connector Pinout:



| Model: | 320 | 420 |  |
|--------|-----|-----|--|
| Pin 1  | ✓   | ✓   | Chassis Ground                                 |
| 2      | ✓   | ✓   | Drawer Status (Common)                         |
| 3      | ✓   | ✓   | Status (Switched to Common when Drawer Closed) |
| 4      | ✓   | ✓   | Status (Switched to Common when Drawer Open)   |
| 5      | n/u | ✓   | Solenoid 12VDC (-)                             |
| 6      | ✓   | n/u | Solenoid 24VDC (-)                             |
| 7      | ✓   | n/u | Solenoid 24VDC (+)                             |
| Pin 8  | n/u | ✓   | Solenoid 12VDC (+)                             |

See APG Cable Connectivity Guide for specific interface cables.

Contact APG at 763-571-5000 (email: [support@apgcd.com](mailto:support@apgcd.com) or Web page: [www.apgcd.com](http://www.apgcd.com)) or an authorized APG distributor for additional technical support.