

# INSTRUCTIONS FOR INSTALLATION

## Bobrick Model B-72974 Automatic Universal Surface-Mounted Roll Paper Towel Dispenser

Designed for maximum sanitary use, this electronic roll towel dispenser automatically provides the user with a measured amount of untouched paper towel. The positioning of a hand underneath the center bottom of the dispenser initiates the delivery of the paper towel. Pulling forward on the towel separates it from the roll. The unused roll is maintained inside the unit, minimizing cross contamination.

### DISPENSER MOUNTING

Mount the dispenser with bottom edge of the cabinet approximately 52" (1320mm) above the floor. Use at least two pan-head screws no smaller than #8 x 1.0". The installer must ensure compatible and appropriate mounting hardware is used for the wall surface composition that the dispenser is being mounted upon. The dispenser with batteries weighs 6.3 pounds (2.86 kg).

### DISPENSER COVER

The cover can be opened with the key that is taped to the back of the dispenser. Insert the key into the two slots at the top of the cover, push down and pull forward to open cover. The dispenser cover controls a power interlock switch in the dispenser. In the closed position, the cover actuates the interlock switch and connects battery power to the dispenser's control circuit. Opening the cover opens the interlock switch and removes the battery power from the dispenser's control circuit.

### BATTERY REQUIREMENTS AND LOADING

Open the dispenser cover. The battery compartment is located at the front lip of the dispenser. The cover of the battery compartment is removed by pushing the left hand tab inward and lifting up (See Fig. 1). Insert (4) "D" size alkaline batteries labeled with an "LR20" designation. Other types of batteries are not acceptable. Install batteries as shown on the bottom of battery compartment.

Unit is equipped with a DC jack for use with optional AC Adapter kit; order Bobrick Part No. 3974-57. Refer to instructions below to convert B-72974 from batteries to AC Power.

### AC POWER

The optional AC adapter kit, Part No. 3974-57, is supplied with a UL listed, double insulated AC to DC power converter. The power converter is equipped with a 10' (3m) low voltage outlet cord terminated with a barrel connector for attachment with a mating connector located in the dispenser. The body of the power converter is equipped with a standard 2 pole NEMA plug intended for direct mounting into a standard 120V NEMA duplex outlet. For warranty and safety purposes, it is required that the power converter must plug into an AC outlet that is not accessible to the dispenser user. If not available, consult a licensed electrical contractor. The power converter output is to be routed through the mounting wall as a low voltage, energy limited circuit, similar to a thermostat wire, with no requirement for electrical box or attachment strain relief. **Use only the power converter supplied with the 3974-57 kit. Any substitution could damage the unit and will void any warranty.**

1. If installed, unlock and open the cover. Remove dispenser from the wall. Prior to installation ensure no Batteries are in the unit.
2. Locate the DC jack behind the unit. (See Fig. 1).
3. Locate or provide an AC outlet that is not accessible to the dispenser user.  
Contact a qualified, licensed electrician for the proper installation of a standard 120V NEMA duplex outlet, if one is required, and for the proper routing of the 3974-18 AC to DC Switching Power Supply. The installation must comply with local building code.  
**DO NOT BRING HIGH VOLTAGE POWER INTO THE CABINET FOR ANY REASON.**
4. Route the power converter cord to the back and plug the barrel end of the 3974-18 AC to DC Switching Power Supply into the AC to DC power jack behind the unit. Mount the dispenser and mark the location directly behind the DC jack. The power cord should exit the wall at this location.
5. Using the same mounting locations, remount the dispenser and make the connection between the AC to DC Switching Power Supply and DC Jack taking care not to damage the cord. Extra cord should be stored inside the wall, not in the dispenser.
6. Plug converter into the outlet and use dispenser as normal.

### PAPER ROLL LOADING AND TRANSFER FEATURE INSTRUCTIONS

This unit is designed to accept paper rolls up to 8" (205mm) diameter and a width of 8" (205mm). Paper is to be loaded with paper "tail" unwinding from the back of the roll. The first sheet of paper is started by placing the "tail" under the transfer bar arm, closing the cover, and initiating a dispense. See back page and "Single Roll Loading" and "Automatic Transfer Loading" instruction graphics inside unit.

To use the stub roll transfer feature, the 3-1/2" (90mm) or smaller stub roll must be transferred from the upper roll holders to the stub roll holders in the lower, rear section of the dispenser, and the stub roll paper monitor must be positioned over the stub roll paper "tail". Install a new roll of paper in the upper roll holders. Place the "tail" of the new paper roll on top of the stub roll paper monitor and under the transfer bar arm as shown in "Automatic Transfer Loading" instruction graphic inside the unit. Paper from the new roll will automatically feed out of the dispenser when the stub roll of paper runs out.

### DISPENSER START-UP AND PAPER LENGTH

Once the cover is closed and the paper is loaded correctly, the unit is ready to dispense at the factory set control settings: normal dispense mode; nominal 12" paper length (it takes about 3 dispenses to self adjust to the nominal paper length); and a one second delay between dispenses.

### AVAILABLE ALTERNATIVE CONTROL SETTINGS

This dispenser allows for the selection of a unique, patent pending Paper Saver dispense control method. In this method, any dispense that occurs within 3 seconds of a previous dispense will result in a sheet dispense length that is shorter than the initial dispense. In the Maximum Paper Saving setting, the second dispense will be 25% less than the initial dispense. In the Minimum Paper Saving setting, the second dispense will be 12% less than the initial dispense.

There are three, three-position switches available to customize the control system. These switches are behind the cover on the right, inside corner of the dispenser. (See Fig. 1). Switch number 1 allows for one normal and two different Paper Saving dispense modes to be selected. Switch number 2 allows for three different delays between dispense actions. Switch number 3 allows for three different sheet dispense lengths to be chosen. (See Fig. 1) for detail on each switch setting.

### INDICATOR LIGHT FUNCTION

The LED indicator light, located at the right, top corner of the paper chute, will flash one time after the cover is closed to indicate the unit is powered up. The LED will flash once after every dispense to indicate the unit is ready for the next use. The LED will flash once every 1.5 seconds continuously when the batteries need replacement.

### DIAGNOSTICS FOR BATTERY

If unit will not dispense:

1. Ensure the cover is closed and securely latched.
2. If indicator light is flashing, batteries need replacement.
3. If indicator light is not flashing, make sure batteries are present and loaded in the correct orientation.
4. Remove and re-install batteries.
5. Make sure the paper has been loaded correctly, the paper roll turns freely, and the paper path is clear of obstructions. This affects battery operation, but not AC/DC.

### DIAGNOSTICS FOR AC TO DC POWER CONVERSION

If unit will not dispense:

1. Make certain the power converter is connected to the wall outlet and the cord is properly connected to the adapter harness and DC Jack.
2. Make certain the paper has been loaded correctly and the path is clear of obstructions.
3. Verify circuit breaker / fuses have not been tripped.

**CAUTION:** Tampering with or removing any components from this unit will void any warranty.

Top View

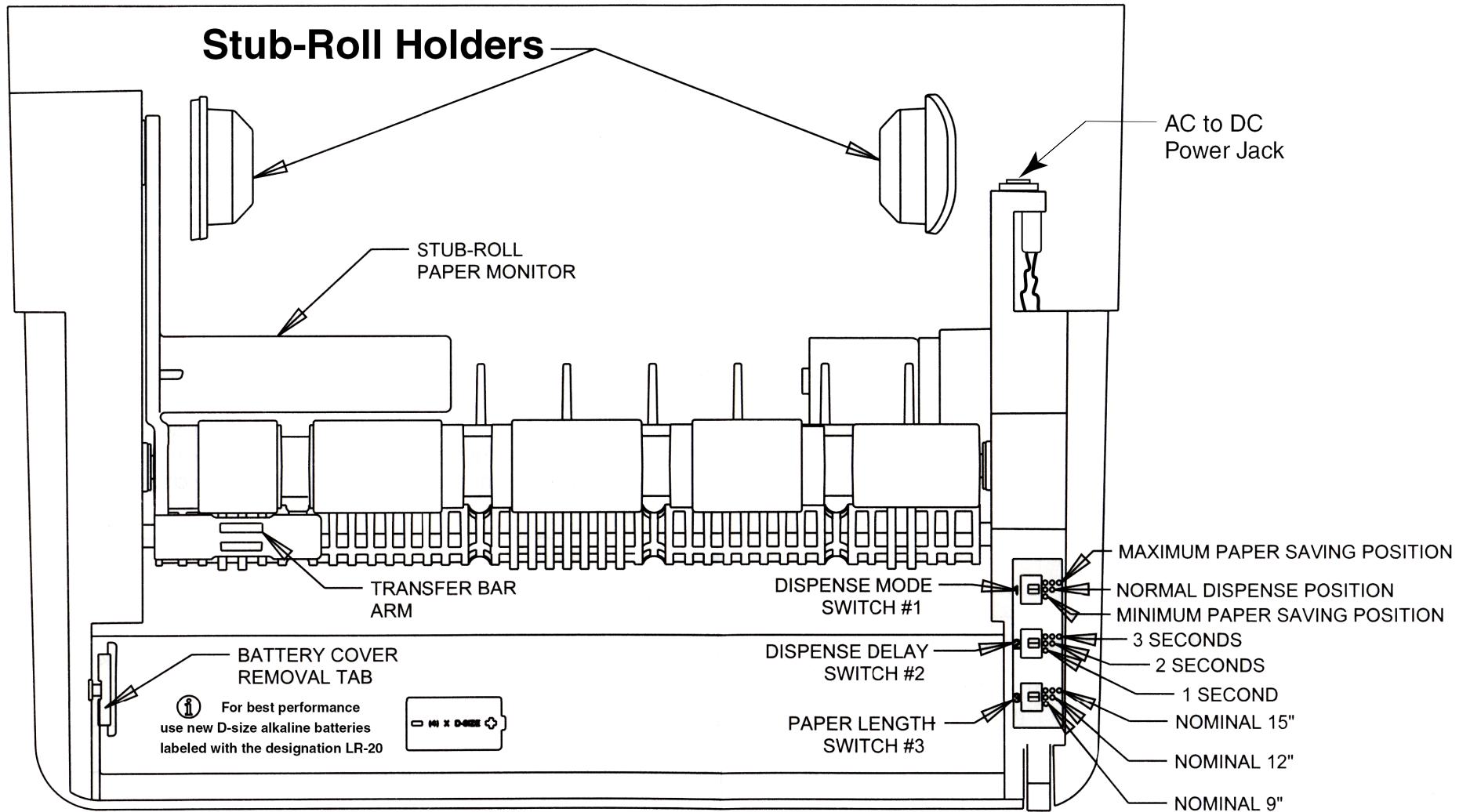


Fig. 1



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