

APPROACH FOR THE CABINET INSTALLATION INSTRUCTIONS

Parts Included:

- 1 lift mechanism assembly
- 1 safety platen
- 1 drive shaft concealment

Tools Needed:

- Phillips Head & Flathead Screwdriver
- Level
- Tape Measure
- Stud Finder

Pre-assembly Considerations

- 1- The **AD•AS Approach for the Cabinet** is designed for installation in both new construction and in renovation situations. The system is designed to move standard dimension Face Frame or European style cabinets through 20" of vertical movement, with a maximum lifting capacity of 300 lbs.
- 2- The entire lift mechanism is concealed behind the cabinet, and will make the cabinet case protrude 4-1/2" from the wall. If soffit details are included in the kitchen, the soffit above the **Approach for the Cabinet** should be set at 16-1/2" from the wall.
- 3- Allow a minimum of 1/8" of clearance on each side of the moving cabinet.
- 4- The **Approach for the Cabinet** must plug into an 110V outlet that is part of a GFCI protected circuit. The outlet is ideally located in the top right quadrant behind the cabinet as you are facing the wall, and must not be lower than 17" below the top of the cabinet or soffit.
- 5- The **Approach for the Cabinet** must mount to at least two wall studs for correct mounting. In some instances, it may be necessary to install 2" x 4" horizontal blocks between studs. If blocking is necessary, install two blocks placed 18" on center and 31" on center below the desired top height of the cabinet in its "up" position.

Installation Instructions (please refer to drawing)

- Step 1** Mount a temporary level, horizontal support strip on the wall 32-1/2" below the desired top height of the cabinet when in its "up" position.
- Step 2** Rest the Approach Cabinet **back plate (A)** on the support strip and fasten it to at least 2 wall studs or horizontal blocking using six #12 x 2-1/2" fasteners along the exposed portion at the bottom of the back plate. **Drywall screws should not be used.** It is necessary to have someone hold the system in place on the wall while installation continues.
- Step 3** **Always unplug the system from the GFCI protected wall outlet when installing or adjusting the UP/DOWN buttons or Safety Platen.** While holding the **safety platen (B)**, temporarily plug the 3-pin modular connector from the UP/DOWN buttons into the corresponding modular jack on the unit's lower rail. Next, plug the 2-pin modular connector from the Safety Plate into the corresponding modular jack on the unit's lower rail.

Note: Failure to use a GFCI protected 110V outlet may result in injury. If a GFCI protected 110V outlet is not present, or if you are unsure of the type of outlet present, contact a qualified electrician to have one installed.

Plug the **Approach for the Cabinet** into a GFCI protected 110 V outlet and (remember someone is holding the system against the wall and needs to beware of sliding components) press the down button until the top of the back plate is exposed. Use six #12 x 2-1/2" fasteners and attach the top of the back plate to the studs or horizontal blocking. With the system securely attached to the wall, press the up button and run the system all the way up (It free-wheels at the top and bottom of the stroke).

Step 4 Position the **drive shaft concealment (H)** 1/4" above the **top angle support (G)** and center the hole over the **drive shaft nut (I)**. The drive shaft concealment panel should fit in the groove between the left and right front plates. Drill through the **drive shaft concealment (H)** and fasten to the wall studs.

Step 5 Attach the safety platen to your cabinet by turning the cabinet upside down. Position the platen, wiring side down, so the cabinet face and platen front are square. The three **limit switches (F)** inside the safety platen must make contact with the bottom of your cabinet. If the cabinet bottom is flush with the cabinet sides, then the limit switches will make contact and no modifications are necessary.

If your cabinet bottom is recessed inside the cabinet sides, you must use the supplied wood blocks to build up the cabinet bottom until it is flush with the cabinet sides. Use screws of adequate length (not supplied) to attach the blocks to your cabinet bottom in the location of the limit switches.

With the safety platen flush with the cabinet face, drill pilot holes in your cabinet and attach the safety platen using the screws provided. Do not fasten tightly. Leave at least a 1/4" gap between the platen and the cabinet for the limit switches.

Step 6 Being careful not to damage the **limit switches (F)**, attach your cabinet to both the right and left Approach front plates using appropriate fasteners (not supplied). **Do not allow your screws to protrude beyond the back of the 3/4" plywood front plate, and do not attach your moving cabinet to the stationary drive shaft concealment panel now located behind the center of the cabinet.**

Step 7 Plug the 3-pin modular connector from the UP/DOWN buttons into the corresponding modular jack on the unit's lower rail. Next, plug the 2-pin modular connector from the Safety Plate into the corresponding modular jack on the unit's lower rail. Run the system down and lift up on the platen. The system should stop as if encountering an object on the counter. If not, adjust the screws under the platen. There should be a gap of .125-.1875" between the cabinet bottom and the safety platen. If the unit does not move down, the limit switches are engaged and the screws under the platen must be loosened.

Operating Notes

When installed and adjusted correctly, the Approach for the Cabinet Safety Platen engages after minimal contact with a foreign object. Adjust the safety platen sensitivity by tightening or loosening the screws attaching the safety platen. Downward travel of the cabinet system is prevented when the safety platen is engaged, but the system will continue to have power in the up direction. The movable cabinet system has multiple power cutoff systems for safety. If the **Approach for the Cabinet** loses partial or complete power, check the following:

Power UP, no power DOWN	Safety Platen is engaged or disconnected.	Disengage Safety Platen, adjust sensitivity if necessary. Check for proper connection of Safety Platen 2-pin modular plug to 2-pin modular jack.
No power UP, no power DOWN	Thermal override in motor engaged.	Wait 30 minutes with no power to system, allow the motor to cool. Thermal override will reset itself.
No power UP, no power DOWN	UP/DOWN operating buttons disconnected.	Check for proper connection of UP/DOWN buttons 3-pin modular plug to 3-pin modular jack.
No power UP, no power DOWN	Safety Circuit Breaker in AD•AS control box tripped.	Reset circuit breaker on side of AD•AS control box.
No power UP, no power DOWN	Ground Fault Circuit Interrupt protection on outlet tripped.	Reset GFCI protected circuit, contact qualified electrical service person.

