AeroLift 50/150

Video Projector Lift with Small Footprint   *by* **DRAPER**

Specifications—AeroLift 50/150

_____ AeroLift [50/150] video projector lifts. Maximum capacity [50/150] lbs. (including projector, bracket, closure and ceiling material attached to closure). Electrically operated 110-120V, 60 Hz. 3-wire motor, instantly reversible, lifetime lubricated, with internal thermal overload protector and brake. UL approved motor. Designed to be ceiling recessed or surface mounted. Lift to have scissor arm for stabilization. Factory set limit switches automatically stop travel at open and closed positions. Three-position, 110-120V switch to stop or reverse cycle at any point. Maximum vertical drop to be 32". Net weight: AeroLift 50, 28 lbs.; AeroLift 150, 32 lbs.

Options (select as needed):

Plenum housing: Aluminum and steel, for use in return air plenum. For [AeroLift 50/AeroLift 150].

Ceiling closure panel: Finished in white baked textured powder coat, shall descend smoothly with projector. For [AeroLift 50/AeroLift 150].

Ceiling Finish Kit: Finished white. Trims ceiling opening when required. Consists of trim frame and closure panel. For [AeroLift 50/AeroLift 150].

Ceiling Access Door: Provides ceiling access when unit is installed above hard ceiling and access to projector is not convenient. White painted finish.

Please Note: The AeroLift 50 or 150 should be specified in conjunction with a Draper video format motorized screen.

Please Mark Appropriate Selections

Select AeroLift Model
☐ AeroLift 50
☐ AeroLift 150

Select Optional Accessories
☐ Optional plenum housing: Optional ceiling closure panel not included
   ☐ For AeroLift 50
   ☐ For AeroLift 150
☐ Optional ceiling closure panel
   ☐ For AeroLift 50
   ☐ For AeroLift 150
☐ Optional ceiling finish kit (celing closure panel and trim frame)
   ☐ For AeroLift 50
   ☐ For AeroLift 150
☐ Optional ceiling access door to facilitate easier projector access
   ☐ Ceiling access door, white painted finish
   ☐ Ceiling access door, accepts ceiling tile

Control Options:
Please Note: This Draper motorized lift comes with one 110V-120V AC 3-position wall switch (silver wall plate with black rocker).
___ Total number of 110-120V AC switches (switches operate independently)
☐ Substitute white switch(es) for silver wall plate with black rocker
☐ Serial or Network Communication (Please see and complete a Serial and Network Screen and Lift Control Planning Sheet).
☐ Optional Low Voltage Control Module (LVC-III)
   ☐ 24 Volt 3-Button Switch   How many switches? _____
   ☐ Radio Frequency Remote Control (only with 24V)
   ☐ Infrared Remote Control (only with 24V)
☐ Optional Key Operated Switch
   ☐ Power Supply Key Switch (On-off)
   ☐ 3-Position Key Control
   ☐ 3-Position Switch with Hinged Key-Locking Coverplate
☐ Optional Video Interface Control
   ☐ VIC-115 (not compatible with LVC-III) ☐ Override Switch
   ☐ VIC-12 (not compatible with LVC-III) ☐ Override Switch
   ☐ VIC-6 (not compatible with LVC-III) ☐ Override Switch
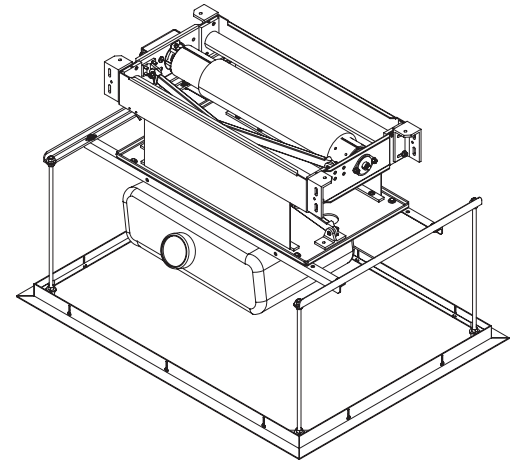
| Dimensions & Data	AeroLift 50	AeroLift 150
Height of lift in closed position [1]	6¼"	6¼"
Maximum Overall lift dimensions (W x L)	28¼" x 15"	31¼" x 15⁷/₈"
Ceiling opening (with closure)	29½" x 29½"	29" x 39½"
Optional plenum housing (W x L)	30½" x 29³/₈"	31¾" x 39⁵/₈"
Max. projector size (W x L) [2]	18¾" x 25½" x h.	24¾" x 35" x h.
Max. down travel	32"	32"
Approx. travel time to lowest position	23 sec.	23 sec.
Total Capacity (lbs.) [3]	50	150
Net weight of lift (lbs.) [4]	28	32
Amperes	1.2	1.2

[1] Not including projector, bracket, plenum or closure.

[2] AeroLift 50 Max. available projector/mount height (with plenum): 18½".
 AeroLift 50 Min. available projector/mount height (with plenum): 16½".
 AeroLift 150 Max. available projector/mount height (with plenum): 20½".
 AeroLift 150 Min. available projector/mount height (with plenum): 18½".

[3] AeroLift 50 closure & angle brackets weigh 7.5 lbs. AeroLift 150 closure & angle brackets weigh 10 lbs.

[4] Unit Only: Does Not include projector, bracket, plenum or closure.

AeroLift 50/150—Dimensions

Top View   Side View
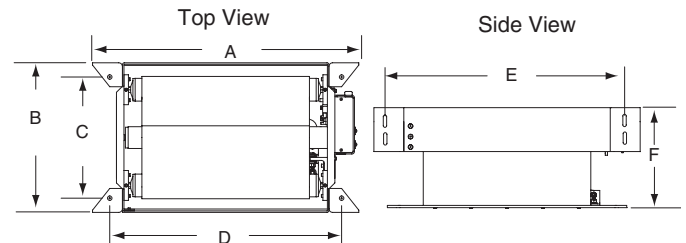
Lift	A	B	C	D	E	F
AeroLift 50	28¼"	15"-13½"	10¾"-12¼"	26½"	26¾"	6¼"-38¼"
AeroLift 150	31¼"	14³/₈"-17⁷/₈"	11⁵/₈"-13¹/₈"	29½"	29¾"	6¼"-38¼"

PROJECT: _____

_____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

DRAPER

Dimensions—AeroLift 50/150 with Plenum and Closure

Lift	A	B	C	D	E	F	G	H	I
AeroLift 50	27½"	22⅝"	29⅜"	22¾"-24¾"	28⅜"	30¾"	30½"	28⅜"	30¾"
AeroLift 150	27¼"	31¾"	39⅝"	24¾"-26¾"	38⅜"	40¾"	30¼"	27⅞"	30¼"

Ceiling Finish Kit

Holes by installer

Trim Frame

Ceiling tile (by others)
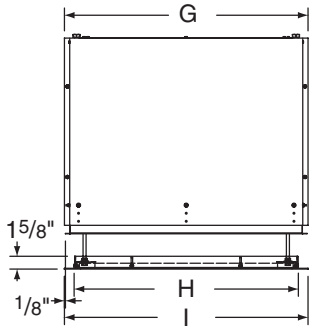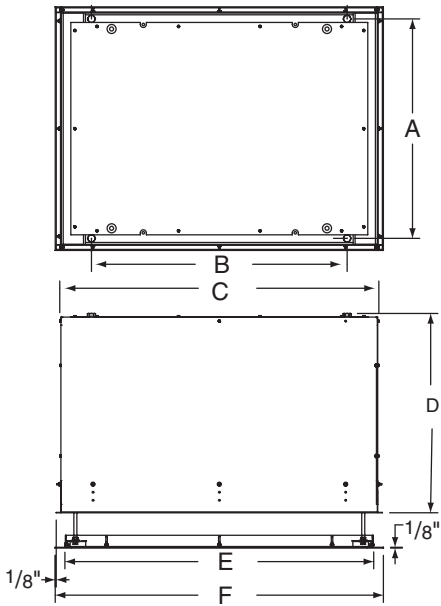
Wiring Diagrams

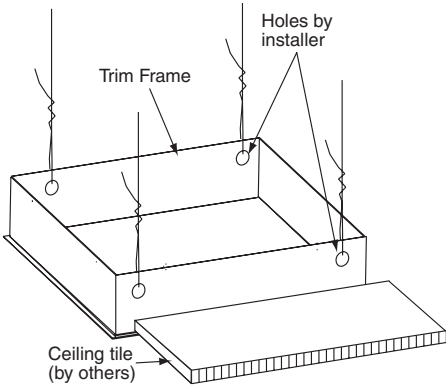### Single Station Control

MOTOR

White (Common) · Black (Up) · Red (Down) · Green (Ground)

Safety Up Switches

Single gang box by others. Min. 4" x 2⅛" x 1⅞" deep

Red
Blue
Black

Dashed wiring by electrician

Location of key operated on-off switch if furnished

N   L1

To 110-120V AC Line
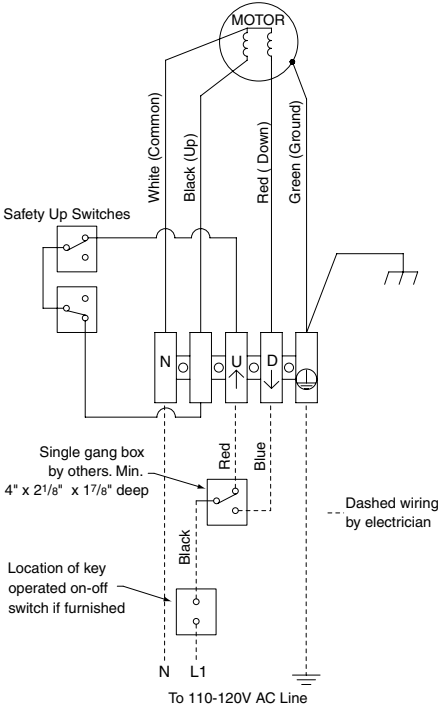
Multiple Station Control

MOTOR

White (Common) · Black (Up) · Red (Down) · Green (Ground)

Safety Up Switches

Single gang box by others. Min. 4" x 2⅛" x 1⅞"

Cap off with wire nut and tape.

RED   BLUE
BLACK
RED   BLUE
BLACK
RED   BLUE
BLACK

Location of key operated 0n-off switch if furnished.

Dashed Wiring By electrician.

N   L1

To 110 -120V AC Line

Low Voltage Control

White-Neutral (Common) to lift & 110-120V AC
Red-to lift (directional)
Brown-to lift (directional)
Yellow-to 110-120V AC
Black-to 110-120V AC
Green-Ground

Safety Up Switches

White (Common)
Black (Up)
Red (Down)
Green (Ground)

MOTOR

Dashed Wiring By electrician.
Low voltage wiring by others.

To 110 -120V AC Line

Location of key operated On-off switch if furnished.

3 Button Wall Switch
DOWN - Black
COM - White
UP - Red

Eye Port for IR Eye, RF Receiver or LED Switch. If more than one of these three is used with one LVC-III, a splitter is required.

Aux Port for connecting additional LVC-III modules (up to six total-connect from Aux to Eye).