Phantom

Specifications—Phantom

_____ Phantom video projector lifts. Select from (Model A/Model B).Electrically operated by a precision linear 24V DC linear actuator, power supply included. Double-pole, double-throw wall switch is standard, other control options available. The projector is mounted into a framework recessed above the ceiling. When activated, a trapdoor lowers the projector into the room. Factory set limit switches automatically stop travel at open and closed positions. Ceiling Panel finished white. Universal Projector Mounting Plate suits most projectors. Suitable for projectors up to 26 lbs. Tilt, Yaw and Pan adjustments available. Projector sits flush with ceiling (up to 10° downward tilt depending on projector). Maximum projector width is 13" for Model A, 16⁷/₈" for Model B.

Options (select as needed):
Ceiling access door provides ceiling access when unit is installed above hard ceiling and access to projector is not convenient.

Please Note: The Phantom should be specified in conjunction with a Draper video format motorized screen.

Please Mark Appropriate Selections
Select Phantom Model
☐ Model A
☐ Model B

Select Optional Accessories
☐ Optional Plenum
☐ Optional ceiling access door to facilitate easier access after installation
  ☐ Ceiling access door, white painted finish
  ☐ Ceiling access door, accepts ceiling tile

Control Options:
Please Note: This Draper motorized mount comes with one double-pole, double-throw wall switch (silver wall plate with black rocker).
___ Total number of wall switches (switches operate independently)
☐ DC Motor Control (required for IR/RF/Serial/Network)*
☐ Radio Frequency Remote Control*   How many? _____
  ☐ Optional 3-Button Up-Stop-Down Switch*   How many? _____
☐ Infrared Remote Control*   How many? _____
  ☐ Optional 3-Button Up-Stop-Down Switch*   How many? _____
☐ R2D7 for Serial Communication*
  ☐ Optional 3-Button Up-Stop-Down Switch*   How many? _____
☐ LS-100 for Network Communication*
 ☐ Optional 3-Button Up-Stop-Down Switch*   How many? _____
* Please Note: If unit is being operated using RF, IR, RS232 or Ethernet, but you still wish to have a wall switch, the standard double pole, double throw switch provided with the lift will not work. You must use the optional three-button up-stop-down switch.

Specifications	Model A	Model B
Overall Size (w x l x h)	17³/₈" x 25⁹/₁₆" x 14¼"	21⁵/₁₆" x 32¾" x 17¾"
Overall Size w/Plenum	17³/₈" x 27½" x 15¼"	21⁵/₁₆" x 35" x 18½"
Ceiling Cutout Size (w x l)	16¾" x 16¾"	20¾" x 20¾"
Net Weight of Unit	18 lbs.	27 lbs.
Lifting Capacity	26 lbs.	26 lbs.
Maximum Projector Width	13" *	16⁷/₈" *
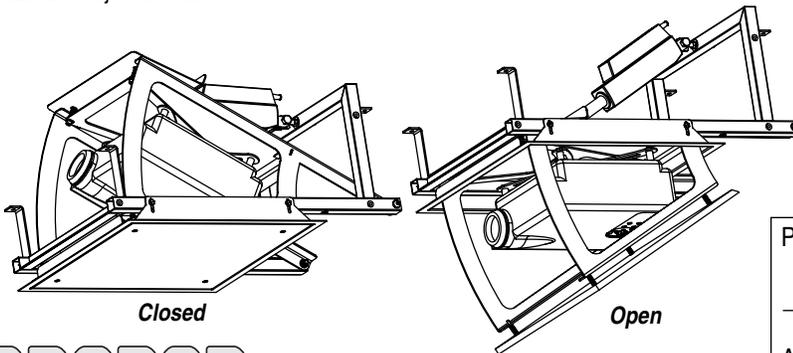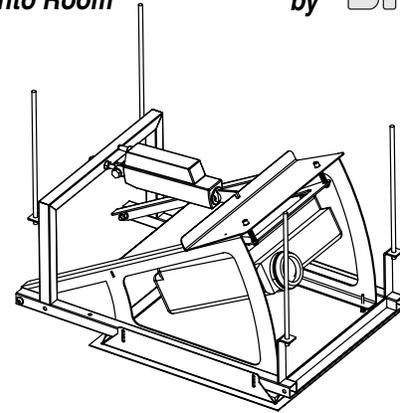
Phantom—Dimensions

23¹/₈"/58.7 cm (30⁵/₈"/77.8 cm)   ¹/₂"/1.27 cm

15⁷/₈"/40.3 cm (19³/₄"/50.2 cm)

14¹³/₁₆"/37.6 cm (18³/₄"/47.6 cm)

16³/₁₆"/41.1 cm (20¹/₄"/51.4 cm)
17³/₈"/44.1 cm (21⁵/₁₆"/54.1 cm)

14¼"/36.2 cm (17³/₄"/45 cm)

6"/15.2 cm (6"/15.2 cm)

9¼"/23.5 cm (9¹/₈"/23.2 cm)
16"/41 cm (19¹⁵/₁₆"/51 cm)
1¼"/3.2 cm (1¹/₁₆"/2.7 cm)
17³/₈"/44 cm 21⁵/₁₆"/54 cm
25⁹/₁₆"/65 cm (32³/₄"/83.2 cm)
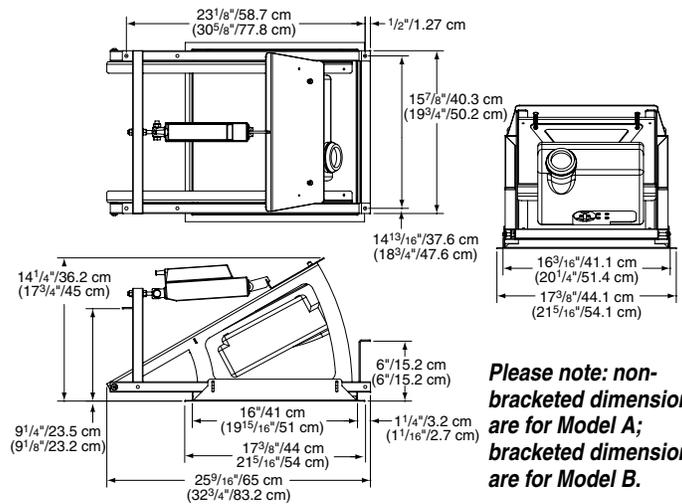
**Please note: non-bracketed dimensions are for Model A; bracketed dimensions are for Model B.**

* Room for cable inputs must be considered along with projector width or length.

Find the point on the grid where the projector length and projector height **intersect**. If intersection point falls within shaded areas then it is compatible with that size Phantom. In addition, ensure projector is within width guidelines listed in the chart at left.

Height of Projector (inches): 0, 2", 4", 6", 8", 10", 12"
Length of Projector (inches): 0 2" 4" 6" 8" 10" 12" 14" 16" 18" 20"
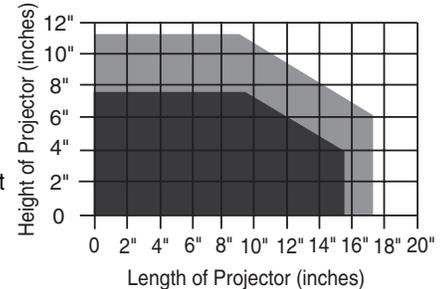
■ A projector will fit into the Phantom Model A if its dimensions are in the darkest area. Maximum projector width=13"

▪ A projector will fit into the Phantom Model B if its dimensions are in the lightest shaded area. Maximum projector width=16⁷/₈"

Closed

Open

DRAPER

411 S. Pearl St., Spiceland, IN 47385 USA ▮ 765-987-7999
www.draperinc.com ▮ fax 765-987-7142

PROJECT: _____

_____

ARCHITECT: _____

CONTRACTOR: _____

SUPPLIER: _____

DATE: _____ REVISED: _____

Phantom with Plenum— Dimensions

23¹/₈"/58.7 cm
(30⁵/₈"/77.79 cm)

1¹/₂"/3.8 cm
(1⁵/₈"/4.1 cm)

15¹/₄"/38.7 cm
(18¹/₂"/47 cm)

¹⁵/₁₆"/
2.38 cm

1¹/₂"/3.8 cm

¹¹/₁₆"/
1.74 cm

27¹/₂"/69.9 cm
(34¹⁵/₁₆"/88.7 cm)

8⁵/₈"/22 cm
(12¹/₈"/30.8 cm)

17³/₈"/44.1 cm
(21⁵/₁₆"/54.1 cm)

17³/₈"/44.1 cm
(21⁵/₁₆"/54.1 cm)

16⁷/₁₆"/41.8 cm
(20³/₈"/51.8 cm)

14¹³/₁₆"/37.6 cm
(18³/₄"/47.6 cm)

¹³/₁₆"/2 cm

Knockout provided at each end for cable and power connections.

6"/15.2 cm
(8"/20.3 cm)

¹/₂"/1.27 cm

¹¹/₁₆"1.75 cm

17³/₈"/44.1 cm
(21⁵/₁₆"/54.1 cm)
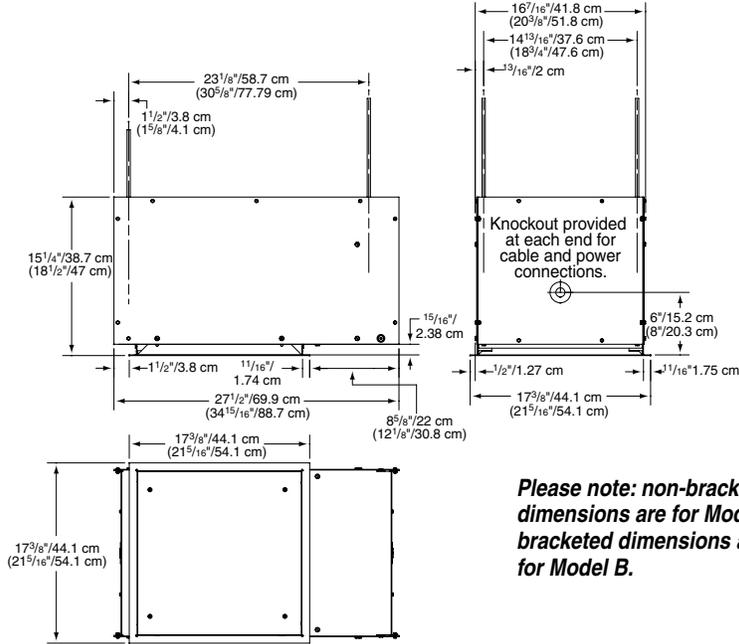
Please note: non-bracketed dimensions are for Model A; bracketed dimensions are for Model B.

Wiring Diagrams

Standard Switch Control

DC CONVERTER

OUTPUT: 24 VDC
2.1 Amp

RD

BK

WALL SWITCH
(DPDT)

BN

BL

BN

BL

LINEAR ACTUATOR
24 VDC

- - - - DASHED LINES INDICATE
WIRES PROVIDED BY INSTALLER

CE
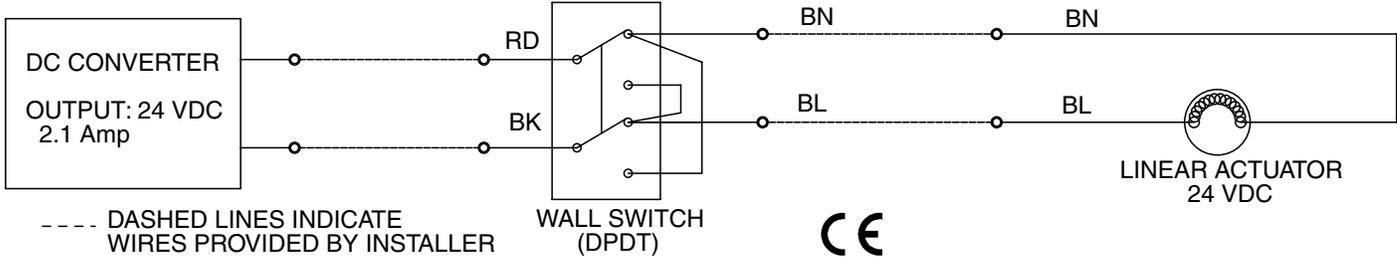
Wireless (RF, IR), RS232 and IP Control

LINEAR ACTUATOR
24 VDC

BL

BN

BL

BN

(-)

(+)

DC CONVERTER

OUTPUT: 24 VDC
2.1 Amp

Black wire with white type

DC Motor Control

AUX PORT- For connecting multiple controls together (up to six total-connect from AUX to Eye).

EYE PORT- For IR EYE; RF Receiver or LED Switch. If more than one of these three is used with control, a splitter is required.

- - - - - - DASHED LINES INDICATE
WIRES PROVIDED
BY INSTALLER

DOWN - BLACK
COM - WHITE
UP - RED

WALL SWITCH
3 BUTTON