SERVO SHIM POSITIONER
MAXIMIZES TOOLING FLEXIBILITY BY ALLOWING QUICK REPOSITIONING OF COMPONENTS FOR BUILD TREND CHANGE.

DUAL AXIS

SERVO ACTUATORS DELIVER ACCURATE AND REPEATABLE POSITIONING
LIGHTWEIGHT ALUMINUM CONFIGURATION
±12.5mm X-AXIS TRAVEL
±12.5mm Y-AXIS TRAVEL

SINGLE AXIS

±12.5mm TRAVEL

TYPICAL APPLICATION
SHOWN WITH WELKER PIN CLAMP AS LOCATOR & CLAMP, REPOSITIONS QUICKLY FOR BUILD TREND CHANGE

RELEASED 3/22/19
ORDERING INFORMATION

NOTE: ALL BOXES MUST BE FILLED IN FOR A COMPLETE PART NUMBER

Series
S01474

Axis Option
SX  Single Axis
DR  Double Axis - Right
DL  Double Axis - Left

Connector Pos. Motor A
A1  Motor "A" Connector Position (See Sheet 5)

Connector Pos. Motor B
X0  For Single Axis Only
B1  Motor "B" Connector Position (See Sheet 5)

MOTOR INFO:
EXLAR TRITEX II DC GEARMOTOR, 24/48 VDC
5:1 GEAR REDUCTION
ABSOLUTE FEEDBACK
ETHERNET IP (SEALED M12 CONNECTOR)
UP TO 16 PROGRAMMED POSITIONS
ALL PROGRAMING TO BE DONE BY CUSTOMER

MOTOR PIN CONFIGURATION:
PIN 1 = 24 VDC BUS POWER
PIN 2 = 24 VDC LOGIC POWER PLUS
PIN 3 = GROUND
PIN 4 = 24 VDC COMMON POWER AND LOGIC

SLIDE INFO:
MAX LOAD: 150lbf
TRAVEL: 1 in/sec
5/8-10 ACME GROUND THREAD
SELF-LOCKING SCREW

WEIGHT INFO:
SINGLE: 21.1 lbs
DOUBLE: 38.4 lbs
GENERAL DIMENSIONS: SINGLE AXIS

ORDERING EXAMPLE (FOR MODEL SHOWN): S01474-SXA1X0

2X Ø8 P.F. ▽ 15
4X M10x1.5 TAP ▽ 15
MOTOR "A" ONLY

2X Ø8 P.F. ▽ 12
4X M10x1.5 TAP ▽ 12

CUSTOMER SUPPLIED CABLE

TURCK 4-PIN MINI FAST CONNECTOR

CENTER ZERO POSITION HOLE

BATTERY*

*CABINET CAN PROVIDE POWER TO ENCODER FOR ABOUT 1.5 YEARS OF POWER-OFF TIME

SINGE AXIIS VERSION "SX" MOTOR POSITIONS

*NOTE: THIS HOLE PATTERN ON SINGLE AXIS VERSION ONLY

±12.5mm TRAVEL

DO NOT SCALE DRAWING

WEIKER
ENGEREED PRODUCTS
800-229-0890 www.weikerproducts.com

SHEET 3
GENERAL DIMENSIONS: DOUBLE AXIS

ORDERING EXAMPLE (FOR MODEL SHOWN): S01474-DRA1B1

SEE SINGLE AXIS SHEET FOR DIMENSIONS NOT SHOWN

CENTER ZERO
POSITION HOLE

MOTOR "B" (RIGHT POSITION SHOWN)

±12.5mm TRAVEL

MOTOR "A"

±12.5mm TRAVEL

MOTOR "B" (LEFT POSITION)

HOLE PATTERN TYPICAL BOTH SIDES (OPPOSITE SIDE ROTATED 90°)

90 MTG. HEIGHT

8.5

614

202

155

ENGINEERED PRODUCTS
800-229-0890 www.welkerproducts.com
MOTOR POSITIONS FOR DOUBLE AXIS VERSION
"DR" OPTION SHOWN

LEFT

RIGHT

MOTOR "A"

MOTOR "B"

± 12.5mm TRAVEL

± 12.5mm TRAVEL

WORKING ENVELOPE

MOUNTED TOOLING MUST BE WITHIN APPROVED APPLICATION RADIUS

HORIZONTAL APPLICATIONS - 150lbs MAX LOAD
VERTICAL APPLICATIONS - 100lbs MAX LOAD

300.0

R250.0