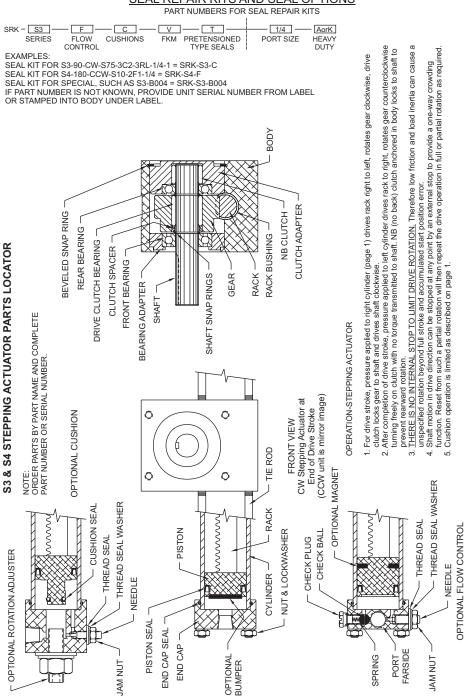
#### SEAL REPAIR KITS AND SEAL OPTIONS

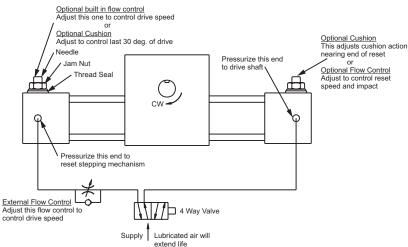


Corel file: S3 & S4 INSTALL & SETUP1.CDR



11 Sunshine Blvd. Ormond Beach, Fl. 32174 Phone: 386/676-6377 Fax: 386/676-6379 Email: sales@rotomation.com Website: www.rotomation.com

#### S3 & S4 STEPPING ACTUATOR INSTALLATION AND SETUP



CW STEPPING ACTUATOR SHOWN-CCW UNIT IS MIRROR IMAGE. REVERSE OPTION LOCATIONS AND OPERATIONS FOR CCW STEPPING ACTUATOR.

#### ADJUST IN FOLLOWING ORDER:

Skip options which your actuator does not have.

Speed adjustment is made with flow controls, built in ("F" option) or external (not supplied by Rotomation).

To adjust built in controls:

To adjust drive speed (shaft rotation speed) or speed of reset,

- 1. Loosen iam nut.
- 2. Tighten needle to reduce speed, loosen to increase speed. Make small adjustments.
- 3. Tighten jam nut while holding needle steady.

To adjust cushion ("C" option) on reset or drive:

- 1. Loosen jam nut.
- 2. Tighten needle to increase stiffness of cushion, loosen to decrease. Do not close needle.
- 3. Tighten jam nut while holding needle steady.

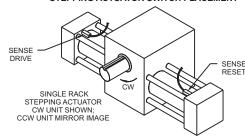
- To adjust magnetic switch "G", "R" or "S" option.

  1. DISABLE AUTOMATIC CONTROL. KEEP CLEAR OF SHAFT AND SHAFT MOUNTED PARTS!

  2. Apply voltage to switch only; place switch at end of cylinder sensing drive as shown.
- 3. Manually valve system to drive unit to rotate shaft to full rotation
- 4. With clamp loose, move switch sensing drive toward body until LED glows, clamp.
- 5. Valve system to drive unit to reset.
- 6. With clamp loose, move switch sensing reset toward body until LED glows, clamp.
- 7. Cycle to check operating points, adjust as required.

NOTE: In drive direction, cushion reduces drive over last 30 deg. of rotation but WILL NOT retard load. Friction in load will slow load upon drive reduction by cushion.

#### STEPPING ACTUATOR SWITCH PLACEMENT



#### **SWITCH LEADS**

OPTION LEAD

GL. RL. SL 9', end stripped Standard Lead

Connection option GC, RC, SC 6" pigtail with male

connector

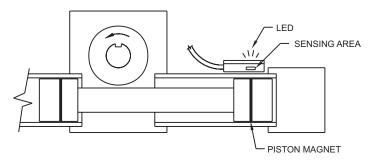
### **EXTENSION CABLES (PURCHASE SEPARATELY)**

PART NUMBER

CC2 2 m cable, female connector one end, stripped other end CC5 5 m cable, female connector one end, stripped other end.

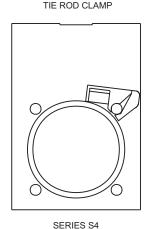
# - KEEP MAGNETIC MATERIAL AWAY -

#### **SENSING**

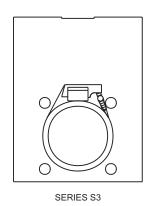


APPROACHING PISTON MAGNET ACTIVATES SENSOR, OPERATES SWITCH AND LED PLACE SWITCH AS CLOSE AS POSSIBLE TO END CAP FOR CORRECT OPERATING POSITION.

#### **SWITCH MOUNTING**



STRAP CLAMP

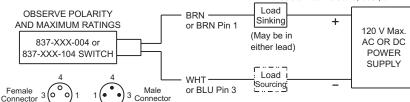


**TIGHTEN STRAP CLAMP** TO HOLD SWITCH STABLE. DO NOT DISTORT SWITCH CASE.

#### **ROTOMATION REED SWITCH - OPTION G**

#### DESCRIPTION AND RATING Reed switch with LED & Surge Protection, normally open Switching voltage 5-120 VAC/VDC Switching current .5 a. max.. .005 min. Switching power

10 w. max. Voltage drop 3.5 V Temperature range -30 to +80C Environment Resistant to moisture, dust, oil



# **ROTOMATION SINKING (NPN) SWITCH - OPTION R**

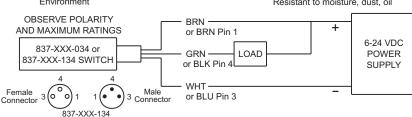
DESCRIPTION AND RATING NO, sinking (NPN), LED

837-XXX-104

T AND CANNOT REPLACE THEREAFTER PERFORMANCE BY ROTOMATION, INC.

REPORT SHIPMENT GUARANTEE OF COMPATIBLE P

Switching voltage 6 to 24 VDC Switching current .5 a. max. Switching power 12 w. max. Voltage drop .5 V Temperature range -30 to +80C Environment Resistant to moisture, dust, oil



# **ROTOMATION SOURCING (PNP) SWITCH - OPTION S**

DESCRIPTION AND RATING NO, sourcing (PNP), LED

Switching voltage 6 to 24 VDC Switching current .5 a, max. Switching power 12 w, max. Voltage drop .5 V Temperature range -30 to +80C Environment Resistant to moisture, dust, oil

