



WIRING DIAGRAMS

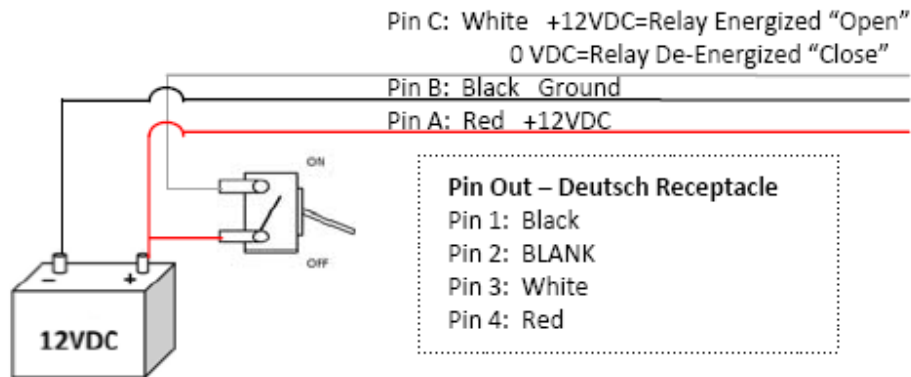
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EH3 PRODUCT LINE

1. Standard 12VDC on/off, 3-wire/3-pin WeatherPak Tower, SPST (60A)

(60A)

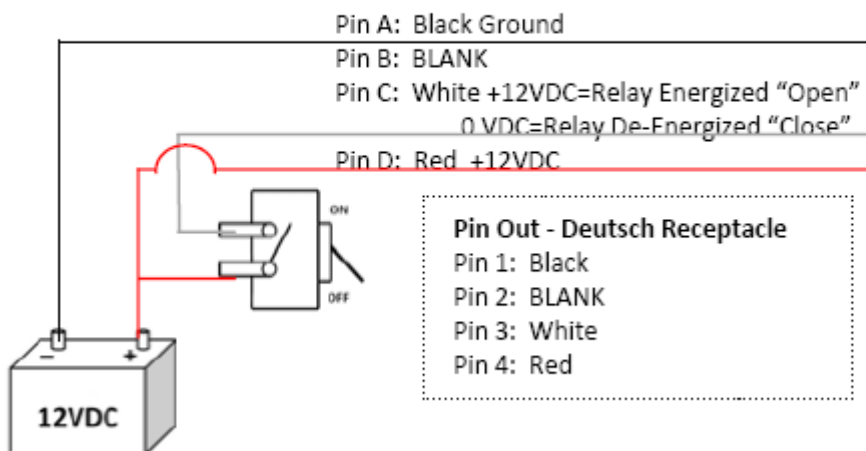


- Similar actuator part numbers
- 000-60A-M 000-60A-N 000-60A-O
 - 000-60A-P 000-60A-Q
 - 10D20-P01 10D20-PB1
 - 10DN0-P01 10DP0-P01
 - 10DQ0-P01 *10D20-D01
 - *10D20-DB1 *10DN0-D01
 - *10DP0-D01
- *Follows wire function per color, standard plug configuration may differ.

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2. 12VDC on/off, 3-wire/4-pin WeatherPak Tower (60B)

(60B)



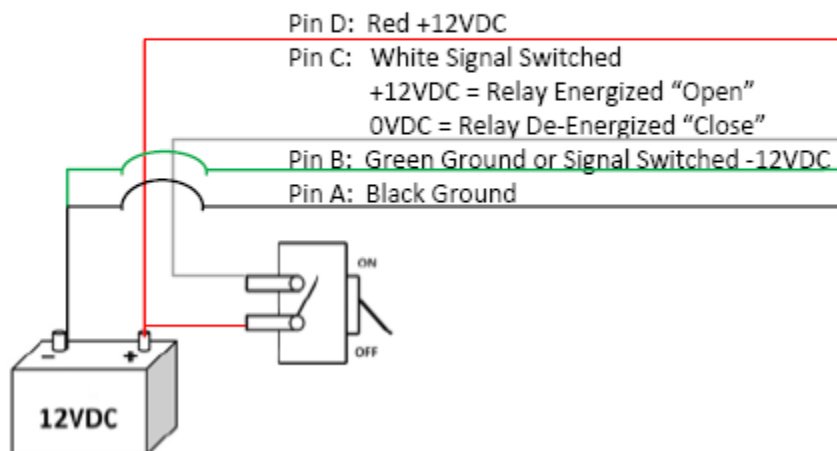
- Similar actuator part numbers
- 000-60B-M 000-60B-N
 - 10D20-P02
 - *10D20-DB1 *10D20-D01
 - *10DN0-D01 *10DP0-D01

*Follows wire function per color, standard plug configuration may differ.

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3. 12VDC on/off, 4-wire/4-pin WeatherPak Tower Switched (+) or (-) depending on control system (55)

(55)



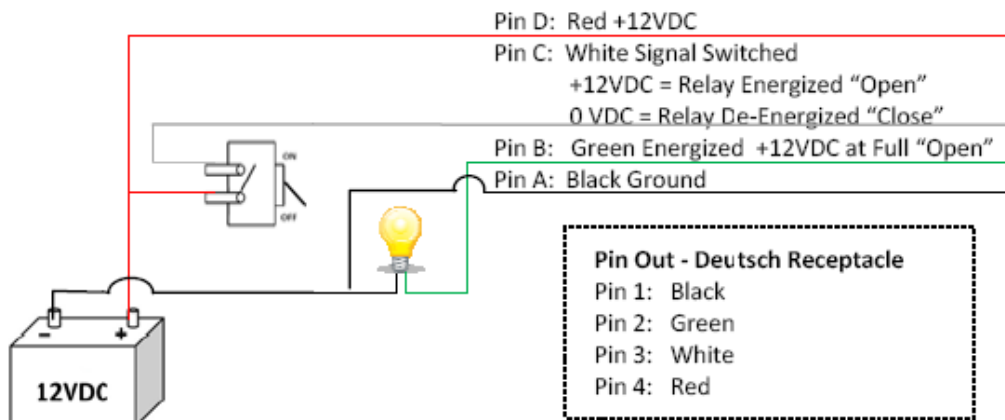
- Similar actuator part numbers
- 000-55-M 000-55-N
 - 000-55-O 000-55-P
 - 000-55-Q

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4. Standard 12VDC on/off, 4-wire/4-pin WeatherPak Tower

(60)

Feedback to operate light or similar device at the full open condition of actuator



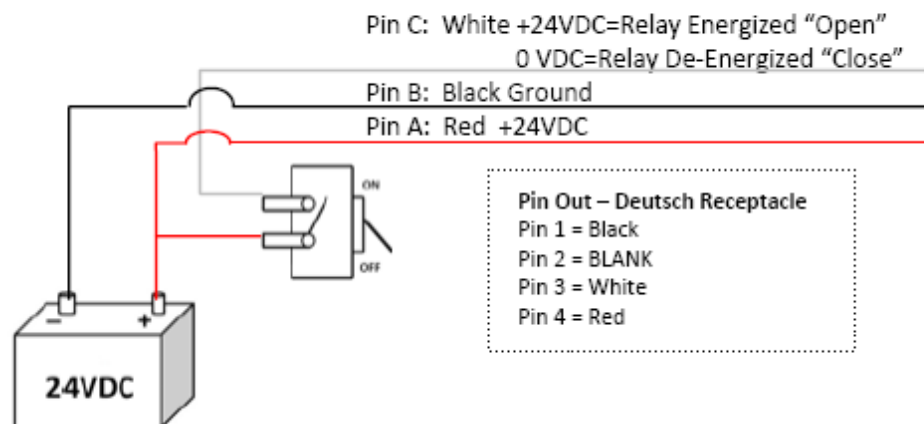
Similar actuator part numbers

- 000-60-M 000-60-N
- 1AD20-D01 1AD20-P01
- 1ADM0-P01 1ADN0-P01
- 1ADQ0-P01

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5. Standard 24VDC on/off, 3-wire/3-pin WeatherPak Tower, SPST

(60AD)



Similar actuator part numbers

- 000-60AD-M, 000-60AD-N,
- 000-60AD-O, 000-60AD-P,
- 000-60AD-Q

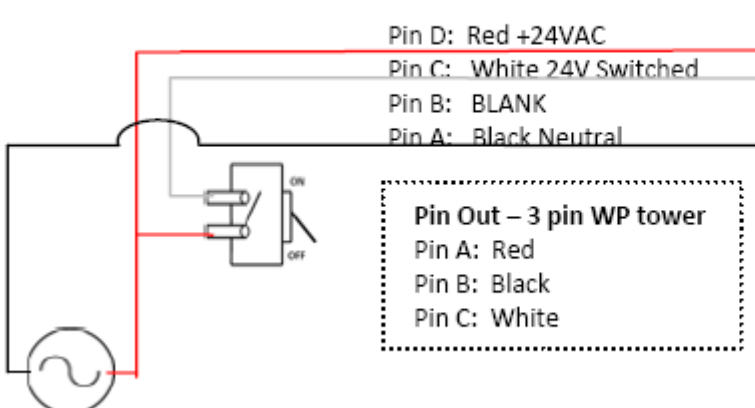
- 10E2S-P01, 60F20-P01, 60FO0-P01,
- 60FQ0-P01, *60FPO-DB1

*Follows wire function per color, standard plug configuration may differ.

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6. 24VAC on/off, 3-wire/4-pin WeatherPak Tower

(66)



Similar actuator part numbers

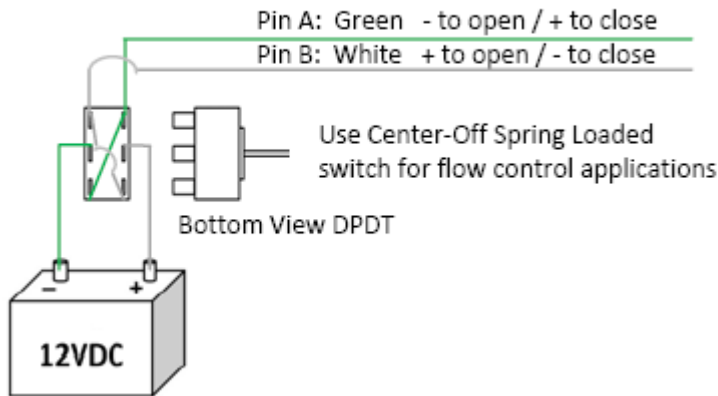
- 000-66-M 000-66-N 000-66-O
- 000-66-P 000-66-Q

- 10AMS-P02 10ANS-P02
- 10AOS-P02 *10A2S-P01
- *10ANS-P01

*Follows wire function per color, standard plug configuration may differ.

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7. 12VDC regulating, 2-wire/2-pin WeatherPak Shroud, DPDT (50K)

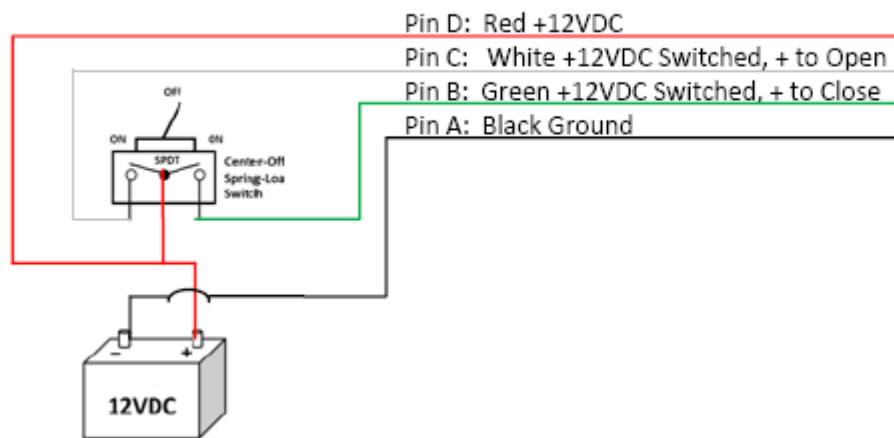


Similar actuator part numbers

000-50K-M 000-50K-N
000-50K-O 000-50K-P
000-50K-Q

Rev. 9-2011

8. Standard 12VDC regulating, 4-wire/4-pin WeatherPak Tower, SPDT (62)



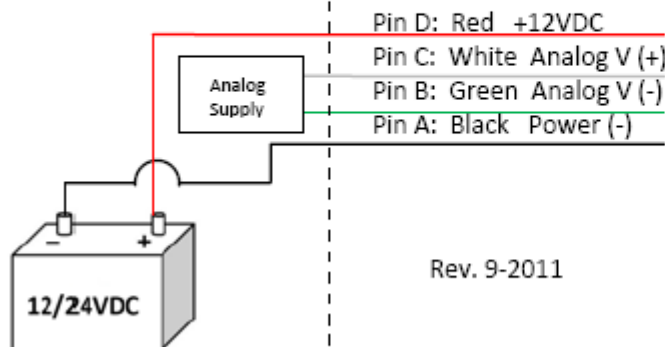
Similar actuator part numbers

000-62-O 000-62-P 000-62-Q
20D20-P01 20DNO-P01
20DP0-P01 20DQ0-P01

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9. ANALOG WIRING 0-5V / 0-10V INPUT 12/24VDC

Customer Components



Similar actuator part numbers

(0-5V)
BOEPS-D01

Similar actuator part numbers

(0-10V)
COENS-D01

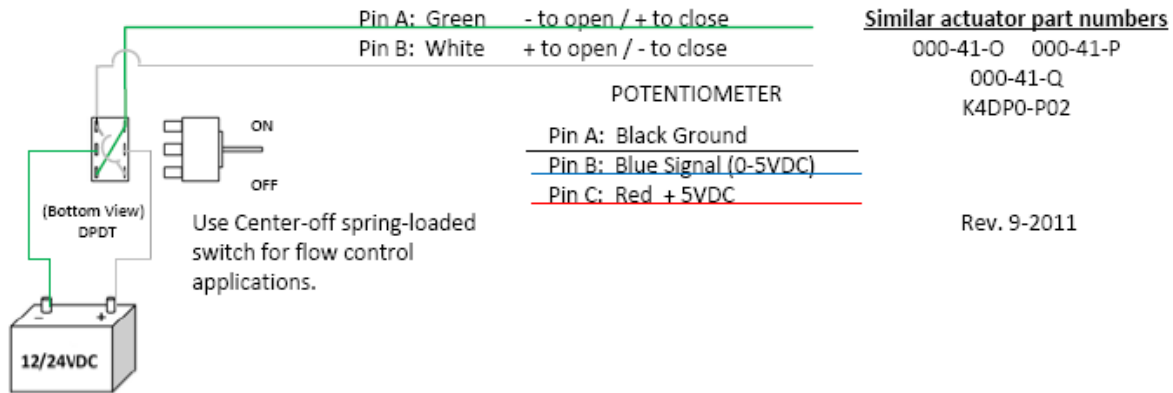
Rev. 9-2011

10. 12VDC, Regulating, Position Control, (5-wire) 2-pin/3-pin WeatherPak Shrouds (41)

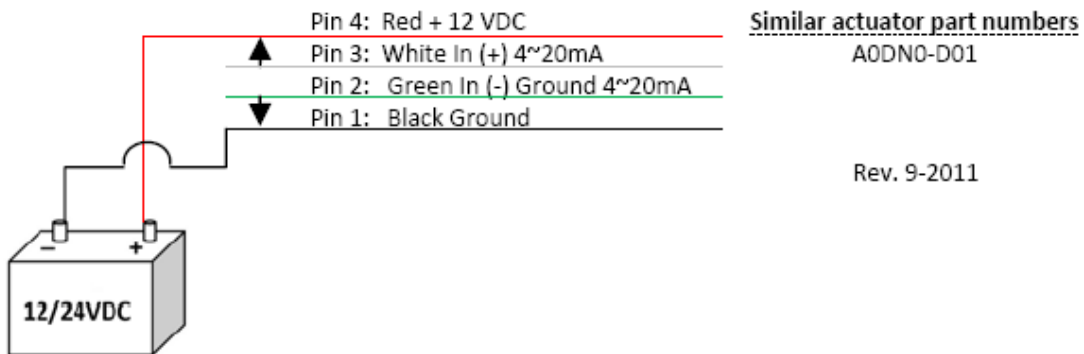
Potentiometer: 5K Ω , 1% tolerance

Max Power: 0.4 Watt Wiper Current: Max $<1\mu\text{A}$

Range: 340° Usable Range (no stops and can rotate 360° without damage)

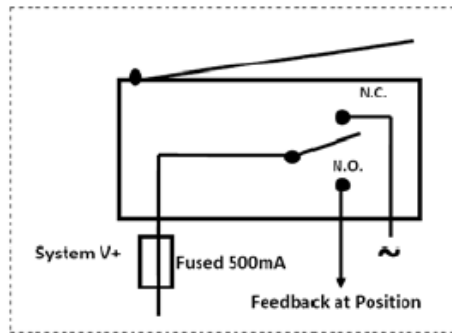


11. 4 ~ 20mA Positioning Control 12/24VDC, 4-wire/4-pin Deutsch



12. F OPTION (Feedback Option 2)
2 WET LIMIT SWITCHES FOR FEEDBACK AT OPEN AND CLOSE
FUSED: 500mA

EXAMPLE LIMIT SWITCH INSIDE ACTUATOR



Feedback Voltage = System Voltage

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Similar actuator part numbers

12D20-D01 12DN0-D01
 12E2S-D01

Pin Out - Deutsch Receptacle

- Pin 1: Black Power (-)
- Pin 2: Red Power (+)
- Pin 3: White Switch to Open (+)
- Pin 4: Green (+) FB at Closed
- Pin 5: Blue (+) FB at Open
- Pin 6: BLANK

Similar actuator part numbers

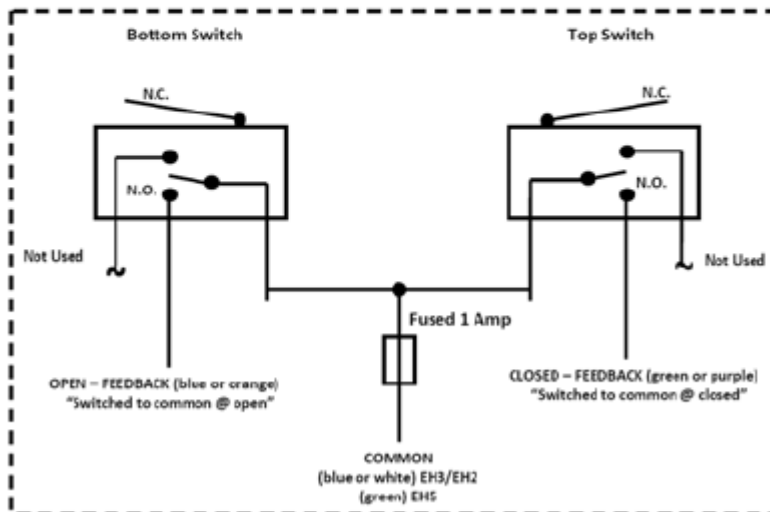
22DN0-D01

Pin Out - Deutsch Receptacle

- Pin 1: Black Power (-)
- Pin 2: Green Switch to Close (+)
- Pin 3: White Switch to open (+)
- Pin 4: Red (+) Constant Power In
- Pin 5: Orange (+) FB at Open
- Pin 6: Purple (+) FB at Closed

13. E OPTION (Feedback Option 3)
2 DRY LIMIT SWITCHES FOR FEEDBACK AT OPEN AND CLOSE
FUSED: 500mA

AUXILIARY SWITCHES INSIDE ACTUATOR



Similar actuator part numbers

13D20-D01 13FP0-DB1
 13E2S-D01

Pin Out - Deutsch Receptacle

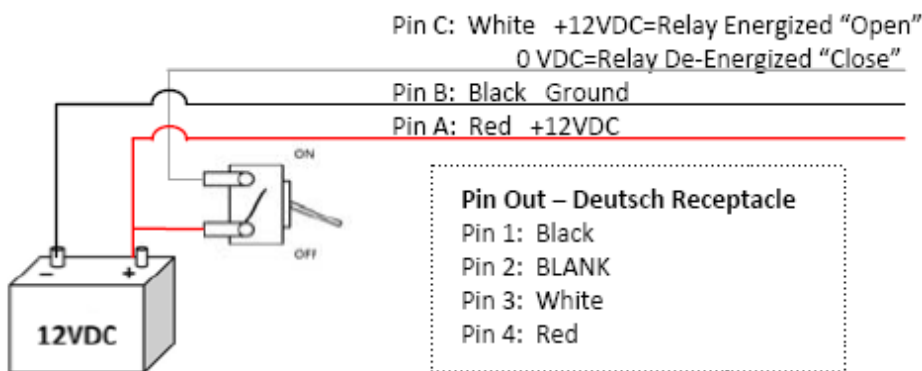
- Pin 1: Black Power (-)
- Pin 2: Green FB Common
- Pin 3: White Switch (+) to Open
- Pin 4: Red Constant Power In (+)
- Pin 5: Orange FB at Open
- Pin 6: Purple FB at Closed

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EH2 PRODUCT LINE

1. Standard 12VDC on/off, 3-wire/3-pin WeatherPak Tower, SPST (60A)

(60A)



Similar actuator part numbers

000-60A-U 000-60A-W 000-60A-Y
000-60A-Z

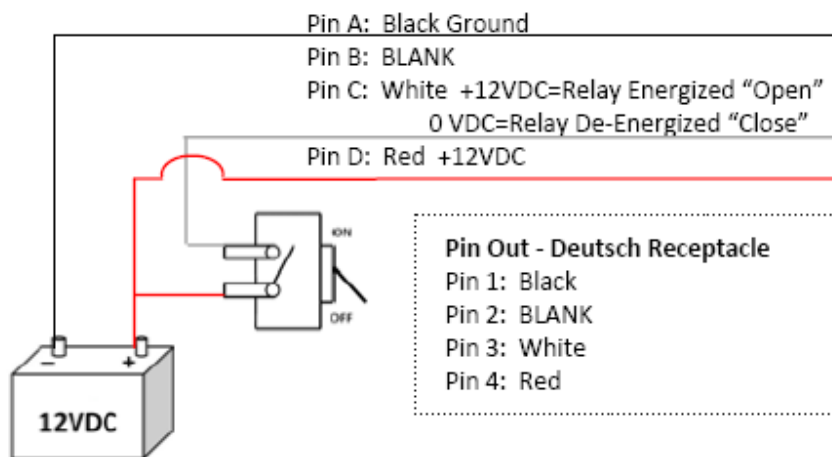
10DU0-P01 10DW0-P01
10DW0-P0U 10DW0-PB1
10DY0-P01 10DY0-P0U
10DZ0-P01 *10DW0-D01
*10DY0-D01 *10DY0-DB1

*Follows wire function per color,
standard plug configuration may differ.

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2. 12VDC on/off, 3-wire/4-pin WeatherPak Tower (60B)

(60B)



Similar actuator part numbers

000-60B-U 000-60B-W
000-60B-Y 000-60B-Z

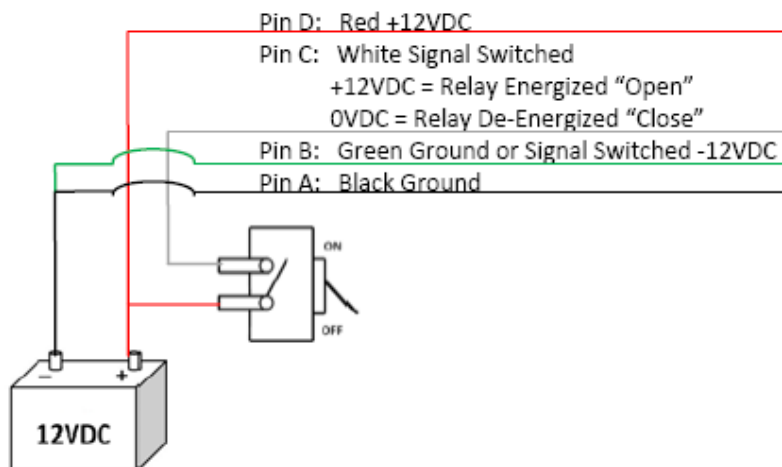
10DW0-P02 10DY0-P02
*10DY0-D01 *10DY0-DB1
*10DY0-DOU

*Follows wire function per color,
standard plug configuration may
differ.

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3. 12VDC on/off, 4-wire/4-pin WeatherPak Tower Switched (+) or (-) depending on control system (55)

(55)

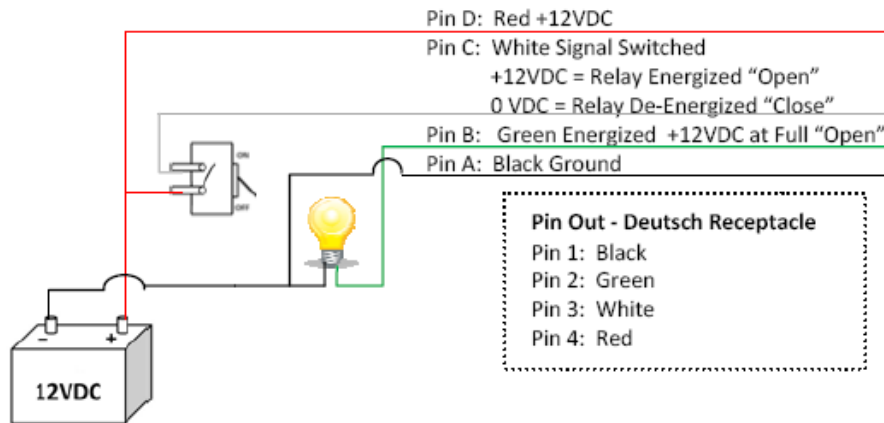


Similar actuator part numbers

000-55-U 000-55-V
000-55-W 000-55-Y
000-55-Z

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4. Standard 12VDC on/off, 4-wire/4-pin WeatherPak Tower (60)
Feedback to operate light or similar device at the full open condition of actuator

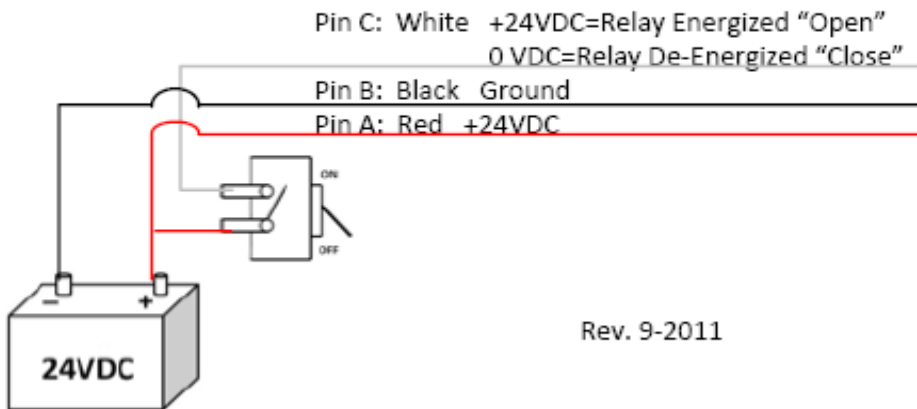


Similar actuator part numbers
 000-60-W 000-60-Y 000-60-Z
 1ADW0-P01 1ADY0-P01
 1ADY0-POU 1ADY0-PB1
 1ADZ0-P01 1ADZ0-POU

Pin Out - Deutsch Receptacle
 Pin 1: Black
 Pin 2: Green
 Pin 3: White
 Pin 4: Red

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5. Standard 24VDC on/off, 3-wire/3-pin WeatherPak Tower, SPST (60AD)



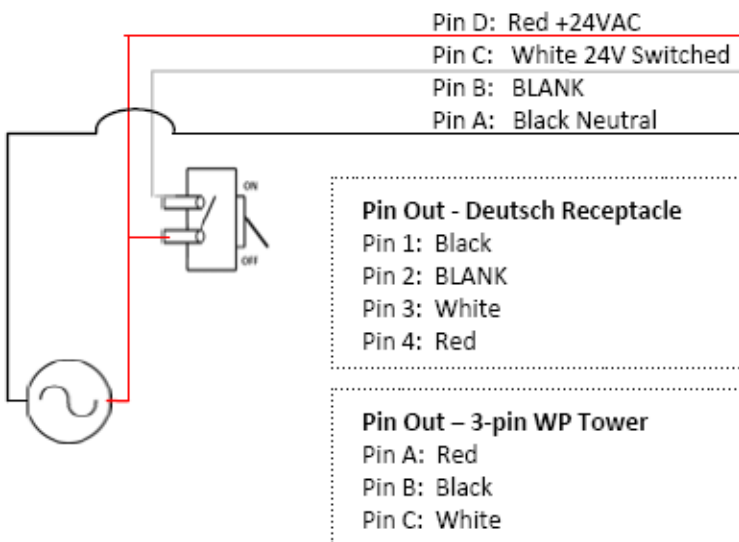
Similar actuator part numbers
 000-60AD-V, 000-60AD-W

10EU0-P01, 10EUS-P01,
 10EV0-P01, 10EV0-POU,
 10EW0-P01, 10EWS-P01,
 10EYS-P01, 10EZ0-P01

60FW0-P01

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6. 24VAC on/off, 3-wire/4-pin WeatherPak Tower (66)



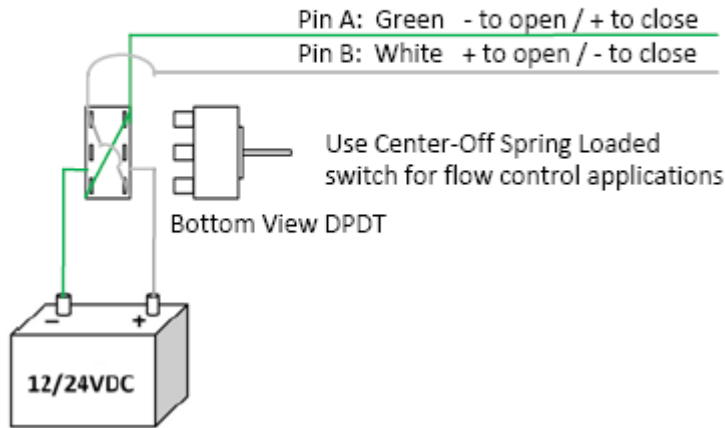
Similar actuator part numbers
 000-66-U 000-66-V 000-66-W
 000-66-Y 000-66-Z

10AU0-D01 10AWS-D01 10AWS-P02
 10AW0-PB2 *10AU0-P01 *10AV0-P01
 *10AWS-P01 *10AW0-P01

*Follows wire function per color,
 standard plug configuration may differ.

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7. 12/24VDC regulating, 2-wire/2-pin WeatherPak Shroud, DPDT (50K)



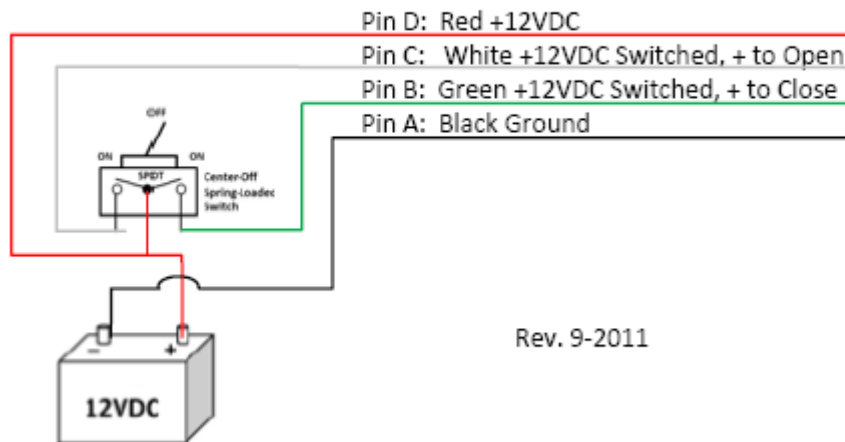
Similar actuator part numbers

000-50K-U 000-50K-V
000-50K-W 000-50K-Y
000-50K-Z

KOHU0-P01 KOHW0-P01
KOHY0-P01

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8. Standard 12VDC regulating, 4-wire/4-pin WeatherPak Tower, SPDT (62)



Similar actuator part numbers

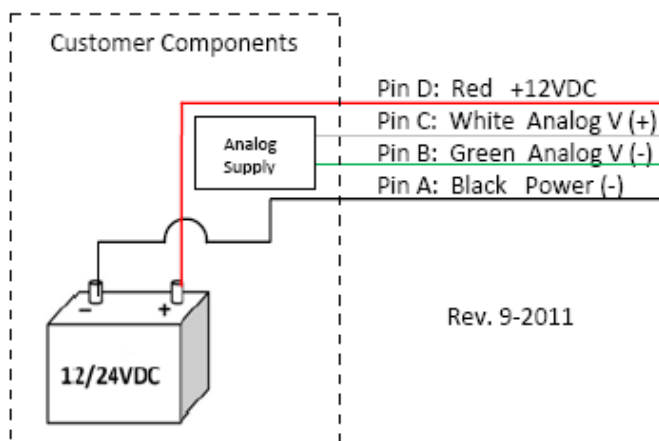
000-62-U 000-62-W 000-62-Y

20DU0-P01 20DW0-P01
20DW0-PB1 20DY0-P01
*20DY0-P02

*Follows wire function per color, standard plug configuration may differ.

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9. ANALOG WIRING 0-5V / 0-10V INPUT 12/24VDC



Similar actuator part numbers

(0-5V)

BOEWS-D01

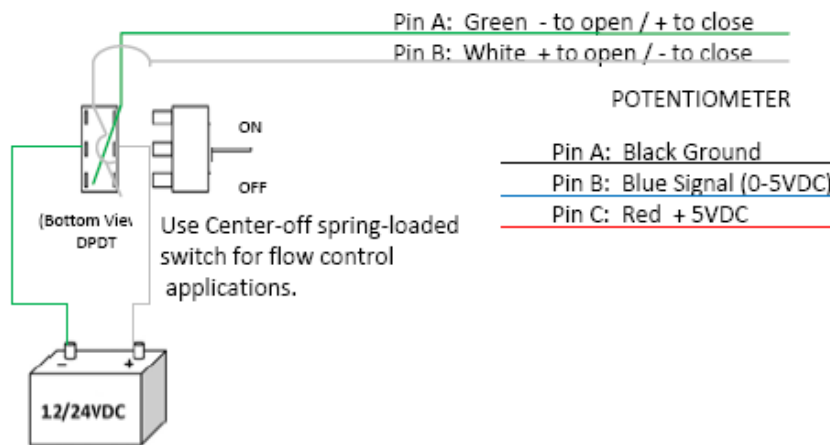
Similar actuator part numbers

(0-10V)

COAWS-D01 COEW0-D01
COEWS-D01

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10. 12/24VDC, Regulating, Position Control (5-wire) 2-pin/3-pin WeatherPak Shrouds (41)
Potentiometer: 5K Ω , 1% tolerance
Max Power: 0.4 Watt Wiper Current: Max $1\mu\text{A}$
Range: 340° Usable Range (no stops and can rotate 360° without damage)

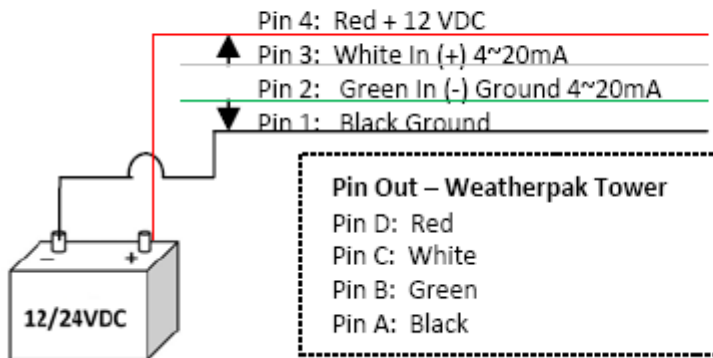


Similar actuator part numbers

- 000-41-U 000-41-V
- 000-41-W 000-41-Y
- 000-41-Z
- K4HV0-P01
(replaces 000-41-V)

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11. 4 ~ 20mA Positioning Control 12/24VDC, 4-wire/4-pin Deutsch

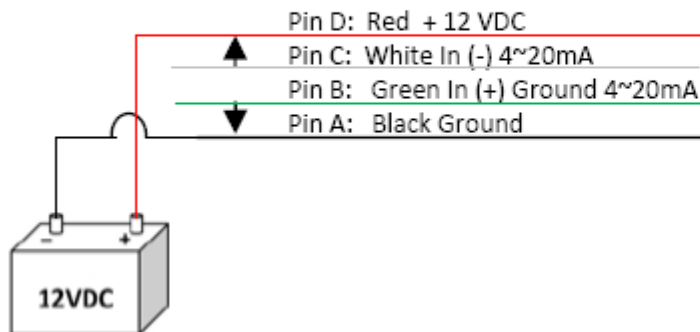


Similar actuator part numbers

- A0EWS-D01 A0EYS-D01
- A0DW0-D01 *A0EW0-P01
- *A0DW0-P01
- *Follows wire function per color, standard plug configuration may differ.

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11a. 4~20mA input, 12VDC, 4-wire/4-pin WeatherPak Tower (42)
>SERVICE PART ONLY – Order Control Type "A" (4~20mA wiring)<



Similar actuator part numbers

- 000-42-W

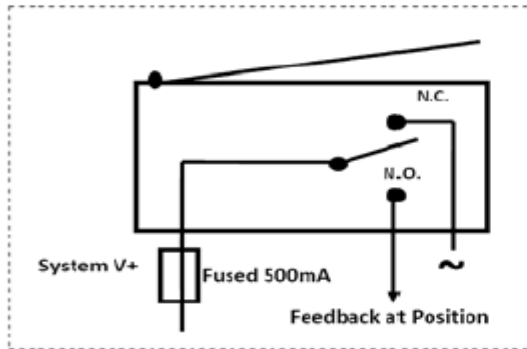
Rev. 9-2011

12. F OPTION (Feedback Option 2)

2 WET LIMIT SWITCHES FOR FEEDBACK AT OPEN AND CLOSE

FUSED: 500mA

EXAMPLE LIMIT SWITCH INSIDE ACTUATOR



Feedback Voltage = System Voltage

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Similar actuator part numbers

12AW0-D01 12DU0-D01
12EW0-D01 12EWS-D01

Pin Out - Deutsch Receptacle

Pin 1: Black Power (-)
Pin 2: Red Power (+)
Pin 3: White Switch to Open (+)
Pin 4: Green (+) FB at Closed
Pin 5: Blue (+) FB at Open
Pin 6: BLANK

Similar actuator part numbers

220Y0-D01 22DW0-D01
22EWS-D01

Pin Out - Deutsch Receptacle

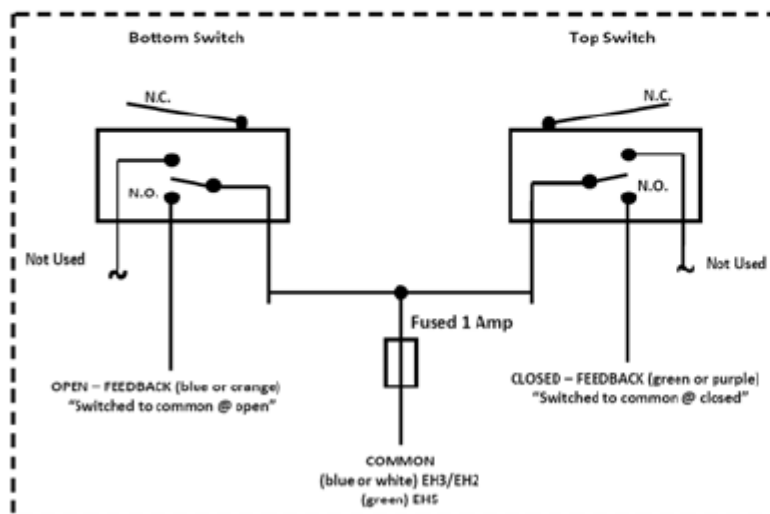
Pin 1: Black Power (-)
Pin 2: Green Switch to Close (+)
Pin 3: White Switch to open (+)
Pin 4: Red (+) Constant Power In
Pin 5: Orange (+) FB at Open
Pin 6: Purple (+) FB at Closed

13. E OPTION (Feedback Option 3)

2 DRY LIMIT SWITCHES FOR FEEDBACK AT OPEN AND CLOSE

FUSED: 500mA

AUXILIARY SWITCHES INSIDE ACTUATOR



Similar actuator part numbers

13AW0-D01 13DV0-D01
13EW0-DB1 13EWS-D01

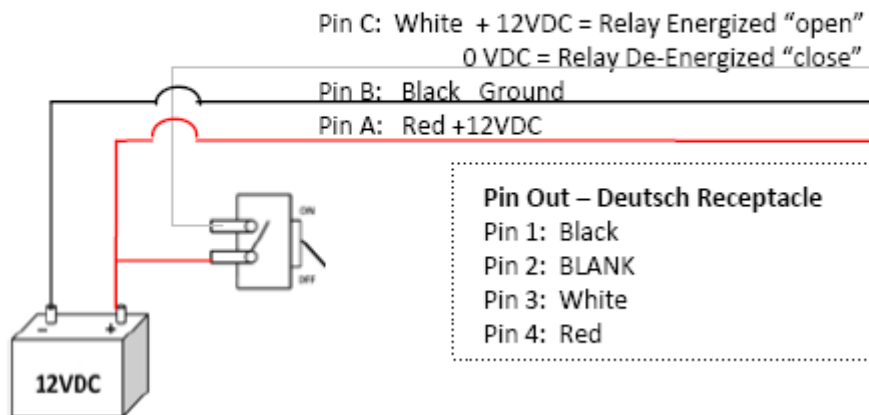
Pin Out - Deutsch Receptacle

Pin 1: Black Power (-)
Pin 2: Green FB Common
Pin 3: White Switch (+) to Open
Pin 4: Red Constant Power In (+)
Pin 5: Orange FB at Open
Pin 6: Purple FB at Closed

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EH5 PRODUCT LINE

1. Standard 12VDC on/off, 3-wire/3-pin WeatherPak Tower, SPST (60A)



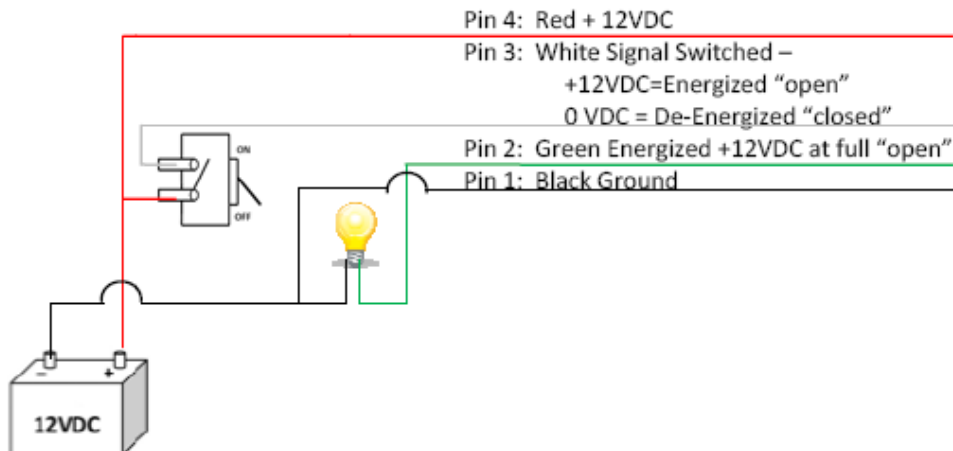
Similar actuator part numbers

10D50-PB1
*10D50-DB1 *10D53-DB1

*Follows wire function per color, standard plug configuration may differ.

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4. Standard 12VDC on/off, 4-wire/ 4-pin Deutsch Receptacle Feedback to operate light or similar device at the full open condition of actuator (60)

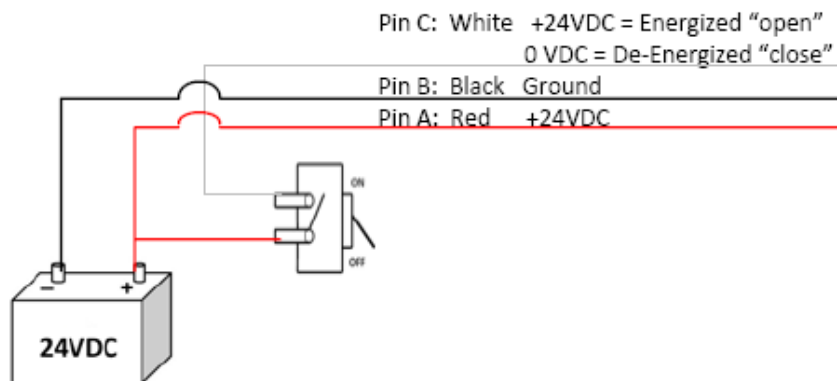


Similar actuator part numbers

1AD50-DB1

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5. Standard 24VDC on/off, 3-wire/3-pin WeatherPak Tower, SPST (60AD)



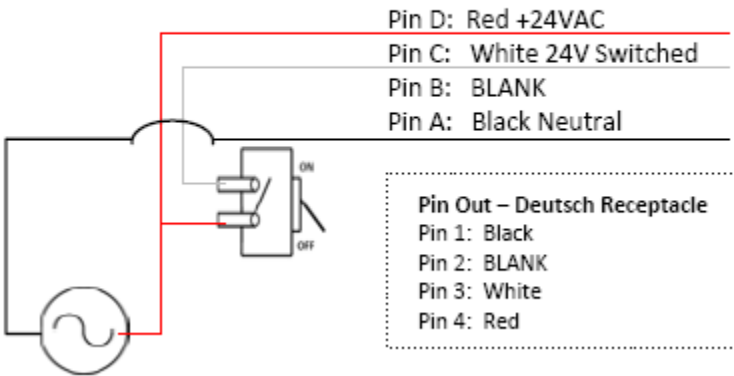
Similar actuator part numbers

10E5S-PB1

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6. 24VAC on/off, 3-wire/4-pin WeatherPak Tower

(66)



Similar actuator part numbers

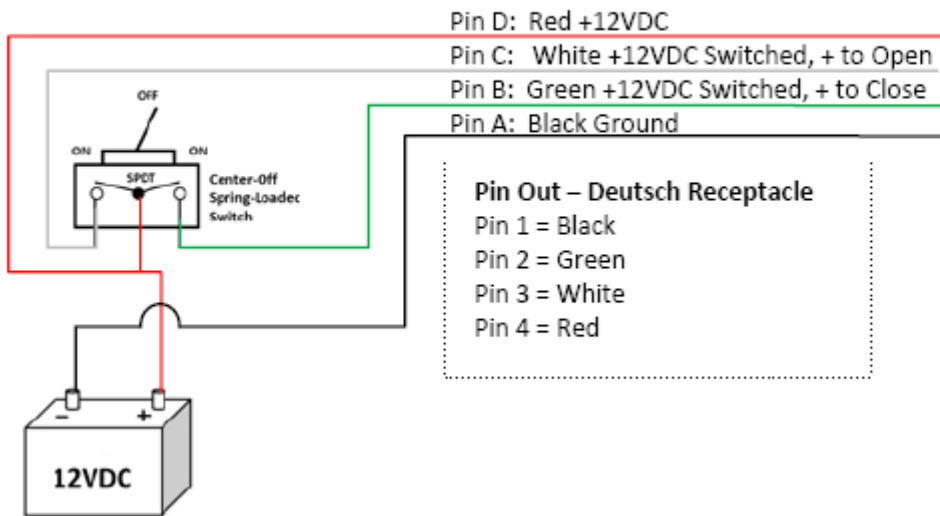
*10A53-PB1 *10A5S-PB1
 10A53-DB1 10A5S-DB1

*Follows wire function per color, standard plug configuration may differ.

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8. Standard 12VDC regulating, 4-wire/4-pin WeatherPak Tower, SPDT

(62)



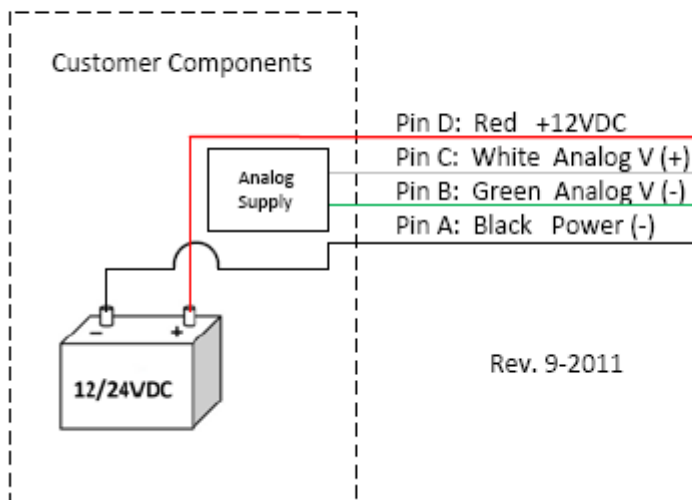
Similar actuator part numbers

20D50-PB1 *20D50-DB1

*Follows wire function per color, standard plug configuration may differ.

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9. ANALOG WIRING 0-5V / 0-10V 12/24VDC



Similar actuator part numbers (0-5V)

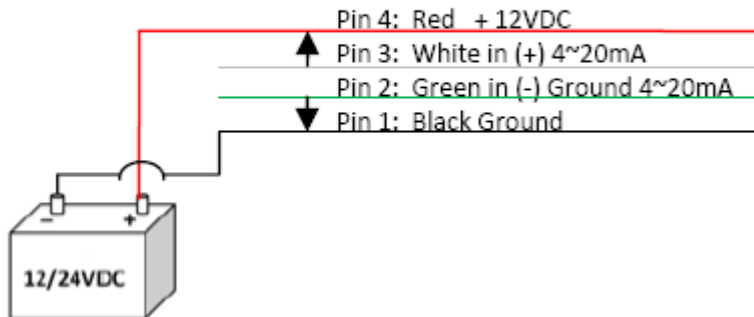
B0E5S-D01

Similar actuator part numbers (0-10V)

COA5S-DB1

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11. 4~20 mA Positioning Control 12/24VDC, 4-wire/4-pin Deutsch



Similar actuator part numbers

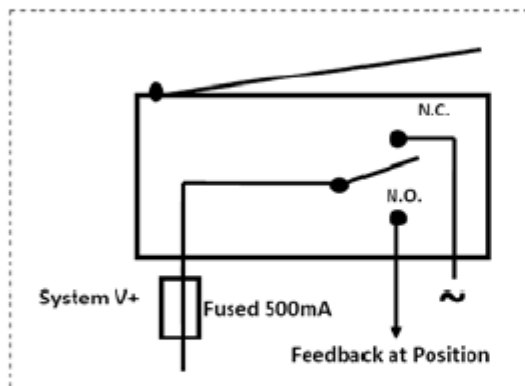
A0D5S-D01

Rev. 9-2011

12. F OPTION (Feedback Option 2)

**2 WET LIMIT SWITCHES FOR FEEDBACK AT OPEN AND CLOSE
 FUSED: 500mA**

EXAMPLE LIMIT SWITCH INSIDE ACTUATOR



Feedback Voltage = System Voltage

Similar actuator part numbers

12D50-DB1 12E5S-DB1

Pin Out - Deutsch Receptacle

Pin 1: Black Power (-)
 Pin 2: Red Power (+)
 Pin 3: White Switch to Open (+)
 Pin 4: Green (+) FB at Closed
 Pin 5: Blue (+) FB at Open
 Pin 6: RI ANK

Similar actuator part numbers

22D50-DB1

Pin Out - Deutsch Receptacle

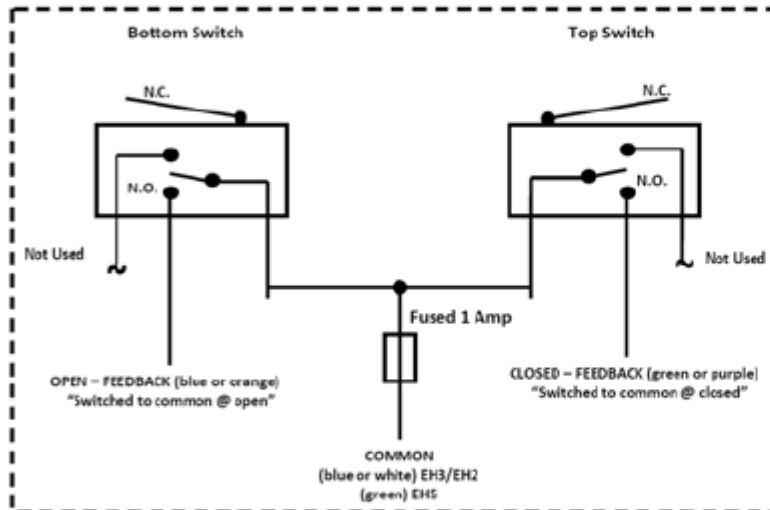
Pin 1: Black Power (-)
 Pin 2: Green Switch to Close (+)
 Pin 3: White Switch to open (+)
 Pin 4: Red (+) Constant Power In
 Pin 5: Orange (+) FB at Open
 Pin 6: Purple (+) FB at Closed

13. E OPTION (Feedback Option 3)

2 DRY LIMIT SWITCHES FOR FEEDBACK AT OPEN AND CLOSE

FUSED: 1 AMP

AUXILIARY SWITCHES INSIDE ACTUATOR



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Similar actuator part numbers

13D50-DB1 13A5S-DB1

Pin Out - Deutsch Receptacle

- Pin 1: Black Power (-)
- Pin 2: Green FB Common
- Pin 3: White Switch (+) to open
- Pin 4: Red Constant Power In (+)
- Pin 5: Orange FB at Open
- Pin 6: Purple FB at Closed

Similar actuator part numbers

23D50-DB1 23E5S-DB1

Pin Out - Deutsch Plug

- Pin 1: Black Closed
- Pin 2: BLANK
- Pin 3: White Common FB
- Pin 4: Red Open

Pin Out - Deutsch Receptacle

- Pin 1: Black Power (-)
- Pin 2: Green Switch (+) to Close
- Pin 3: White Switch (+) to Open
- Pin 4: Red Power (+)