



# Electric

## *Spring Return Actuators*



### **SRX Series**

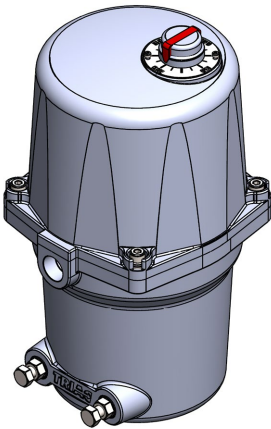
## **Electric Spring Return Actuators**

Mechanical Spring Torques up to 3200 In-Lbs

# SRX-0300

## SRX-0300 Standard Specifications

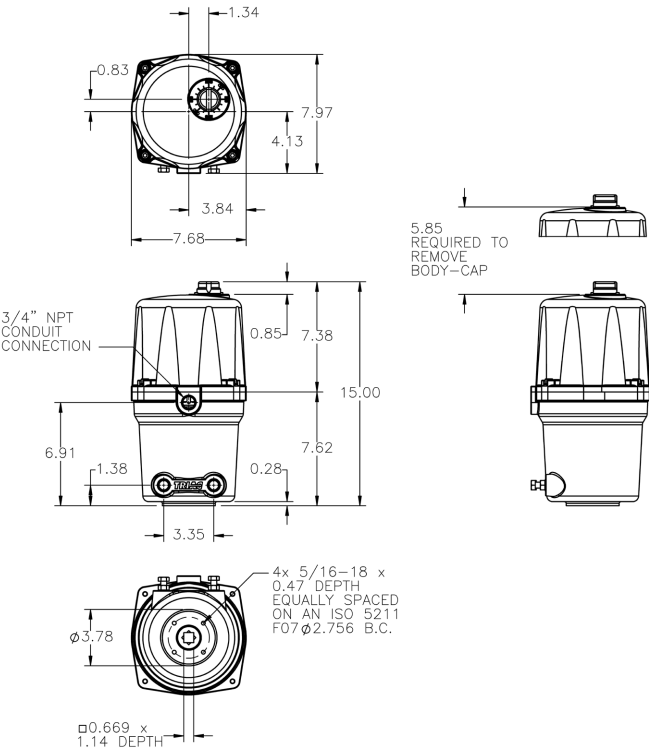
|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Power Supply:</b>     | 120/220 VAC 1PH, 50/60 Hz                                                                                    |
| <b>Motor:</b>            |                                                                                                              |
| <b>110VAC:</b>           | 110V 50/60 Hz 30W                                                                                            |
| <b>220VAC:</b>           | 220V 50/60 Hz 30W                                                                                            |
| <b>Limit Switches:</b>   |                                                                                                              |
| <b>110VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>220VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>Stall Protection:</b> | Built in thermal protection                                                                                  |
| <b>Travel Angle:</b>     | 0 to 90° ± 10°                                                                                               |
| <b>Indicator:</b>        | Continuous position indicator                                                                                |
| <b>Space Heater:</b>     | 10W Anti-Condensation                                                                                        |
| <b>Cable Conduit:</b>    | One 3/4" NPT                                                                                                 |
| <b>Lubrication:</b>      | Grease synthetic                                                                                             |
| <b>Terminal Block:</b>   | Spring loaded lever push type                                                                                |
| <b>Materials:</b>        | Carbon steel, alloy steel, spring steel, stainless steel, aluminum alloy, NBR, ABS and polycarbonate plastic |
| <b>Ambient Temp.</b>     | -40°C (-40°F) to 60°C (140°F)                                                                                |
| <b>External Coating:</b> | Powder coating                                                                                               |



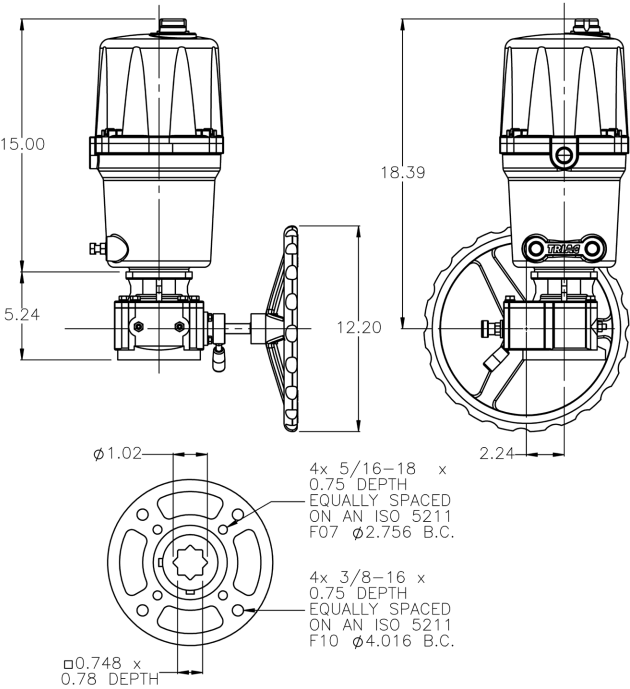
| Spring End Torque | 90° Cycle Time¹ | Spring Fail Time¹ | Motor Size |    | Full Load Amps |      |      | Duty Cycle | Weight   |                    |
|-------------------|-----------------|-------------------|------------|----|----------------|------|------|------------|----------|--------------------|
|                   |                 |                   | Watts      |    | DC             | AC   |      |            | Standard | w/ Manual Override |
| In-Lbs            | Seconds         | Seconds           | DC         | AC | 24V            | 110V | 220V | %          | Lbs.     | Lbs.               |
| 300               | 10              | 2                 | N/A        | 30 | N/A            | 1.0  | 0.5  | 50         | 32       | 72                 |

<sup>1</sup> Cycle and Spring Fail Times are under no load conditions.

### Standard:

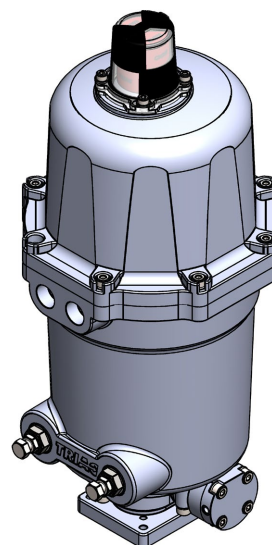


### With Manual Override:



## SRX-0600 Standard Specifications

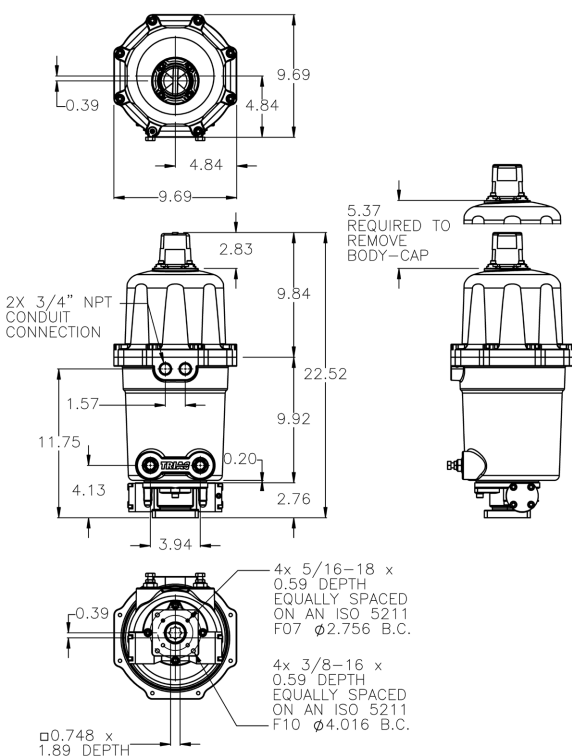
|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Power Supply:</b>     | 24 VDC, 120/220 VAC 1PH, 50/60 Hz                                                                            |
| <b>Motor:</b>            |                                                                                                              |
| <b>24VDC:</b>            | 24V 100W                                                                                                     |
| <b>110VAC:</b>           | 110V 50/60 Hz 30W                                                                                            |
| <b>220VAC</b>            | 220V 50/60 Hz 30W                                                                                            |
| <b>Limit Switches:</b>   |                                                                                                              |
| <b>24VDC:</b>            | 15A 1/2HP @125/250VAC                                                                                        |
| <b>110VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>220VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>Stall Protection:</b> | Built in thermal protection                                                                                  |
| <b>Travel Angle:</b>     | 0 to 90° ± 10°                                                                                               |
| <b>Indicator:</b>        | Continuous position indicator                                                                                |
| <b>Space Heater:</b>     | 10W Anti-Condensation                                                                                        |
| <b>Cable Conduit:</b>    | Two 3/4" NPT                                                                                                 |
| <b>Lubrication:</b>      | Grease synthetic                                                                                             |
| <b>Terminal Block:</b>   | Spring loaded lever push type                                                                                |
| <b>Materials:</b>        | Carbon steel, alloy steel, spring steel, stainless steel, aluminum alloy, NBR, ABS and polycarbonate plastic |
| <b>Ambient Temp.</b>     | -40°C (-40°F) to 60°C (140°F)                                                                                |
| <b>External Coating:</b> | Powder coating                                                                                               |



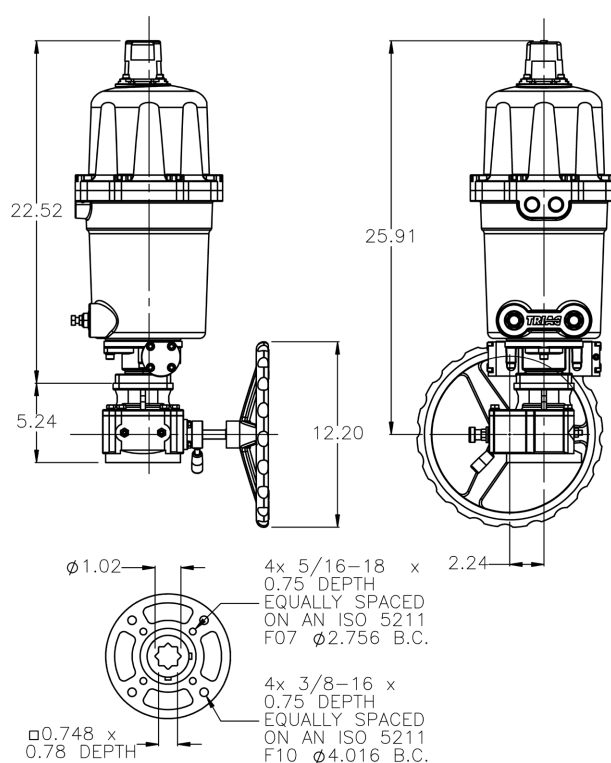
| Spring End Torque | 90° Cycle Time¹ | Spring Fail Time¹ | Motor Size |    | Full Load Amps |      |      | Duty Cycle | Weight   |                    |
|-------------------|-----------------|-------------------|------------|----|----------------|------|------|------------|----------|--------------------|
|                   |                 |                   | Watts      |    | DC             | AC   |      |            | Standard | w/ Manual Override |
| In-Lbs            | Seconds         | Seconds           | DC         | AC | 24V            | 110V | 220V | %          | Lbs.     | Lbs.               |
| 600               | 30              | 2                 | 100        | 30 | 6.0            | 1.0  | 0.5  | 50         | 62       | 102                |

<sup>1</sup> Cycle and Spring Fail Times are under no load conditions.

**Standard:**



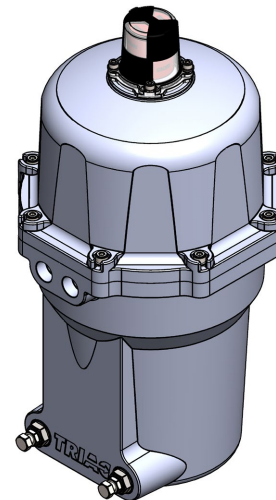
### With Manual Override:



# SRX-1200

## SRX-1200 Standard Specifications

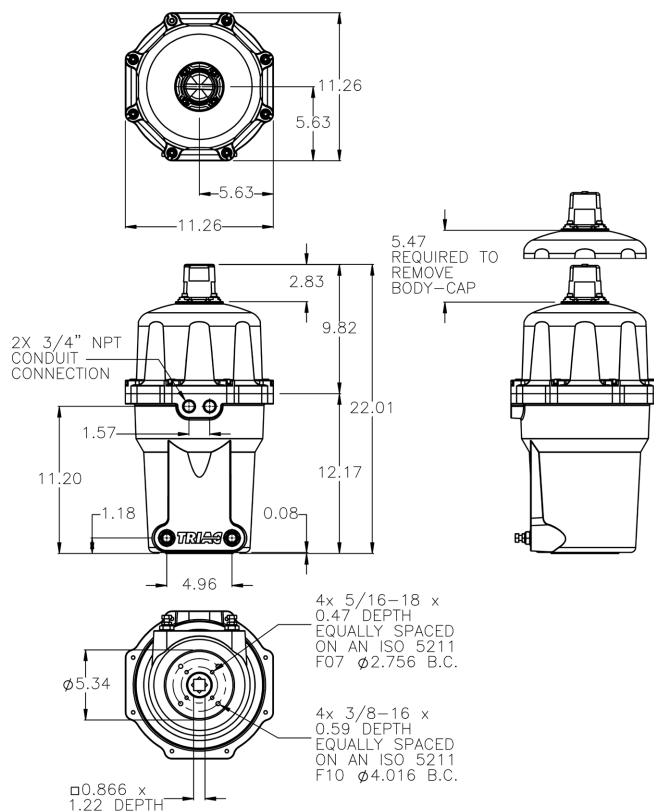
|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Power Supply:</b>     | 120/220 VAC 1PH, 50/60 Hz                                                                                    |
| <b>Motor:</b>            |                                                                                                              |
| <b>110VAC:</b>           | 110V 50/60 Hz 30W                                                                                            |
| <b>220VAC:</b>           | 220V 50/60 Hz 30W                                                                                            |
| <b>Limit Switches:</b>   |                                                                                                              |
| <b>110VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>220VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>Stall Protection:</b> | Built in thermal protection                                                                                  |
| <b>Travel Angle:</b>     | 0 to 90° ± 10°                                                                                               |
| <b>Indicator:</b>        | Continuous position indicator                                                                                |
| <b>Space Heater:</b>     | 10W Anti-Condensation                                                                                        |
| <b>Cable Conduit:</b>    | Two 3/4" NPT                                                                                                 |
| <b>Lubrication:</b>      | Grease synthetic                                                                                             |
| <b>Terminal Block:</b>   | Spring loaded lever push type                                                                                |
| <b>Materials:</b>        | Carbon steel, alloy steel, spring steel, stainless steel, aluminum alloy, NBR, ABS and polycarbonate plastic |
| <b>Ambient Temp.</b>     | -40°C (-40°F) to 60°C (140°F)                                                                                |
| <b>External Coating:</b> | Powder coating                                                                                               |



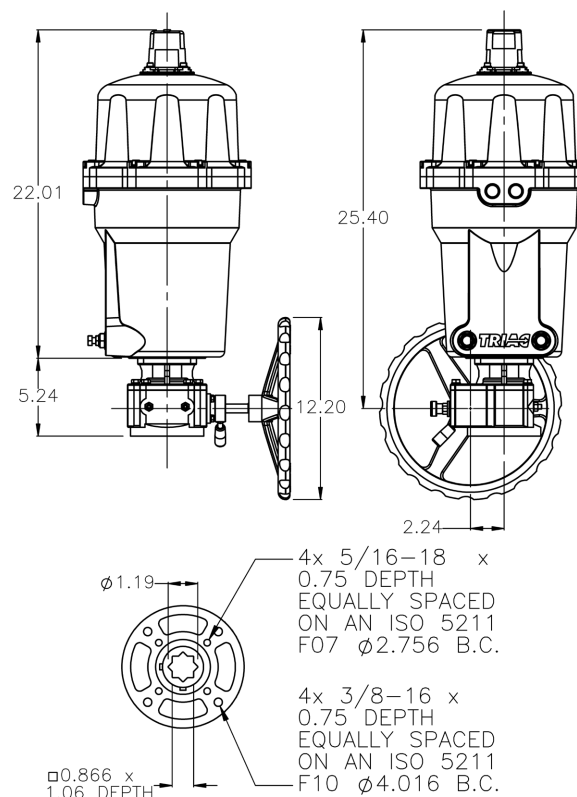
| Spring End Torque | 90° Cycle Time¹ | Spring Fail Time¹ | Motor Size |    | Full Load Amps |      |      | Duty Cycle | Weight   |                    |
|-------------------|-----------------|-------------------|------------|----|----------------|------|------|------------|----------|--------------------|
|                   |                 |                   | Watts      |    | DC             | AC   |      |            | Standard | w/ Manual Override |
| In-Lbs            | Seconds         | Seconds           | DC         | AC | 24V            | 110V | 220V | %          | Lbs.     | Lbs.               |
| 1200              | 30              | 7                 | N/A        | 30 | N/A            | 1.0  | 0.5  | 50         | 80       | 120                |

<sup>1</sup> Cycle and Spring Fail Times are under no load conditions.

### Standard:

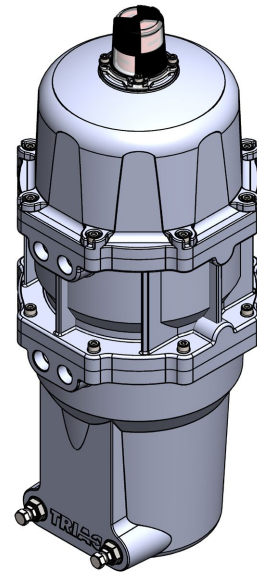


### With Manual Override:



## SRX-1800 Standard Specifications

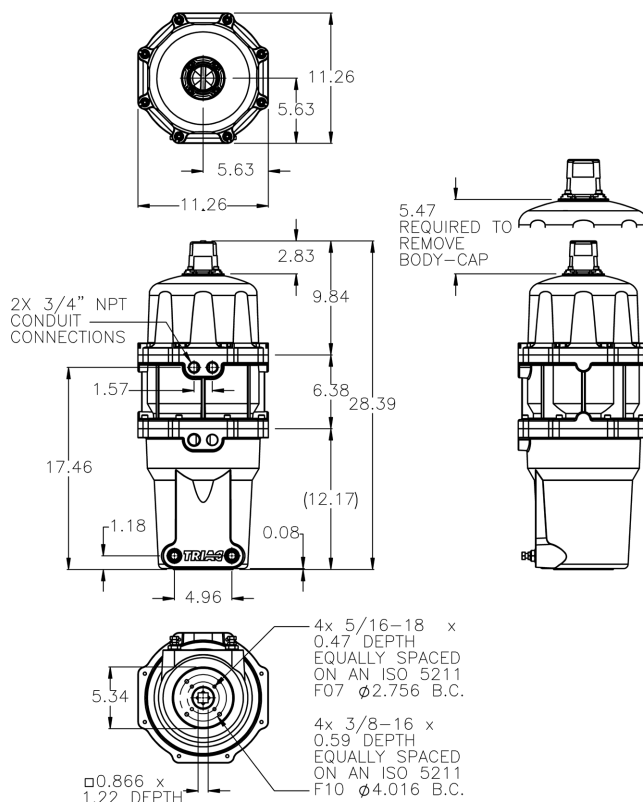
|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Power Supply:</b>     | 120/220 VAC 1PH, 50/60 Hz                                                                                    |
| <b>Motor:</b>            |                                                                                                              |
| <b>110VAC:</b>           | 110V 50/60 Hz 30W                                                                                            |
| <b>220VAC:</b>           | 220V 50/60 Hz 30W                                                                                            |
| <b>Limit Switches:</b>   |                                                                                                              |
| <b>110VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>220VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>Stall Protection:</b> | Built in thermal protection                                                                                  |
| <b>Travel Angle:</b>     | 0 to 90° ± 10°                                                                                               |
| <b>Indicator:</b>        | Continuous position indicator                                                                                |
| <b>Space Heater:</b>     | 10W Anti-Condensation                                                                                        |
| <b>Cable Conduit:</b>    | Two 3/4" NPT                                                                                                 |
| <b>Lubrication:</b>      | Grease synthetic                                                                                             |
| <b>Terminal Block:</b>   | Spring loaded lever push type                                                                                |
| <b>Materials:</b>        | Carbon steel, alloy steel, spring steel, stainless steel, aluminum alloy, NBR, ABS and polycarbonate plastic |
| <b>Ambient Temp.</b>     | -40°C (-40°F) to 60°C (140°F)                                                                                |
| <b>External Coating:</b> | Powder coating                                                                                               |



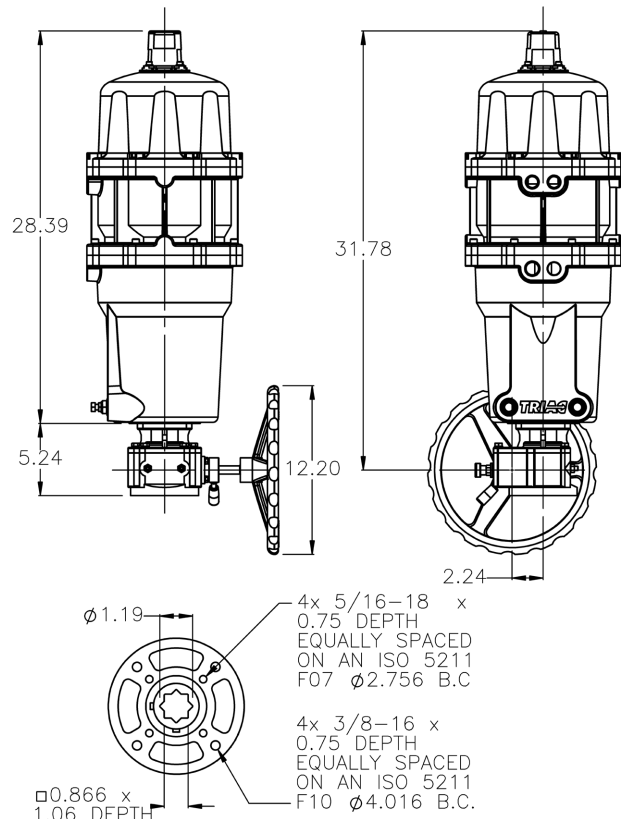
| Spring End Torque | 90° Cycle Time¹ | Spring Fail Time¹ | Motor Size |    | Full Load Amps |      |      | Duty Cycle | Weight   |                    |
|-------------------|-----------------|-------------------|------------|----|----------------|------|------|------------|----------|--------------------|
|                   |                 |                   | Watts      |    | DC             | AC   |      |            | Standard | w/ Manual Override |
| In-Lbs            | Seconds         | Seconds           | DC         | AC | 24V            | 110V | 220V | %          | Lbs.     | Lbs.               |
| 1800              | 30              | 7                 | N/A        | 30 | N/A            | 1.0  | 0.5  | 50         | 120      | 160                |

<sup>1</sup> Cycle and Spring Fail Times are under no load conditions.

## Standard:



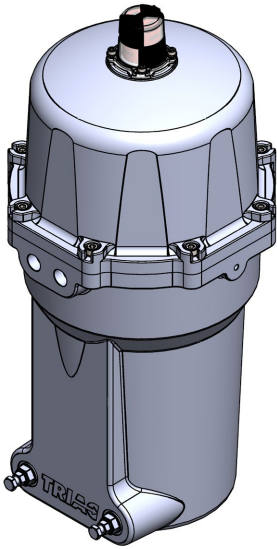
## With Manual Override:



# SRX-3200

## SRX-3200 Standard Specifications

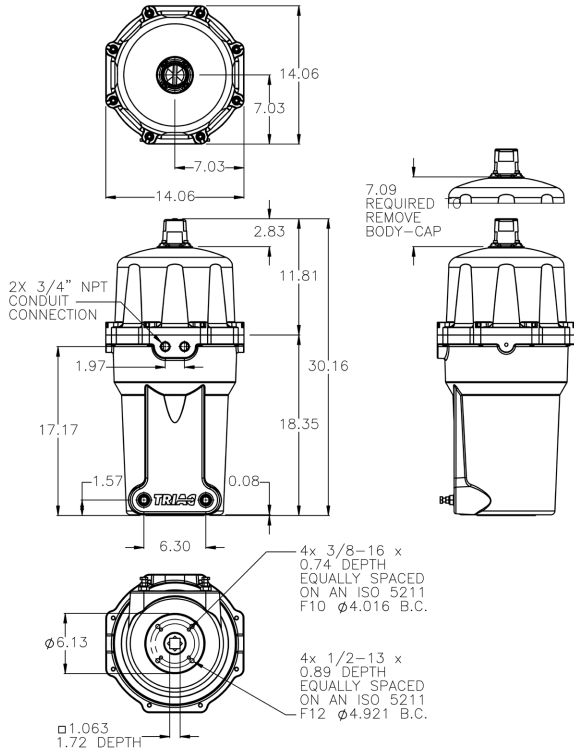
|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Power Supply:</b>     | 24 VDC, 120/220 VAC 1PH, 50/60 Hz                                                                            |
| <b>Motor:</b>            |                                                                                                              |
| <b>24VDC:</b>            | 24VDC 100W                                                                                                   |
| <b>110VAC:</b>           | 110V 50/60 Hz 150W                                                                                           |
| <b>220VAC:</b>           | 220V 50/60 Hz 150W                                                                                           |
| <b>Limit Switches:</b>   |                                                                                                              |
| <b>24VDC:</b>            | 15A 1/2HP @125/250VAC                                                                                        |
| <b>110VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>220VAC:</b>           | 11A 1/3HP @125/250/277VAC 1/2A 125VDC, 1 1/4A 250 VDC                                                        |
| <b>Stall Protection:</b> | Built in thermal protection                                                                                  |
| <b>Travel Angle:</b>     | 0 to 90° ± 10°                                                                                               |
| <b>Indicator:</b>        | Continuous position indicator                                                                                |
| <b>Space Heater:</b>     | 10W Anti-Condensation                                                                                        |
| <b>Cable Conduit:</b>    | Two 3/4" NPT                                                                                                 |
| <b>Lubrication:</b>      | Grease synthetic                                                                                             |
| <b>Terminal Block:</b>   | Spring loaded lever push type                                                                                |
| <b>Materials:</b>        | Carbon steel, alloy steel, spring steel, stainless steel, aluminum alloy, NBR, ABS and polycarbonate plastic |
| <b>Ambient Temp.</b>     | -40°C (-40°F) to 60°C (140°F)                                                                                |
| <b>External Coating:</b> | Powder coating                                                                                               |



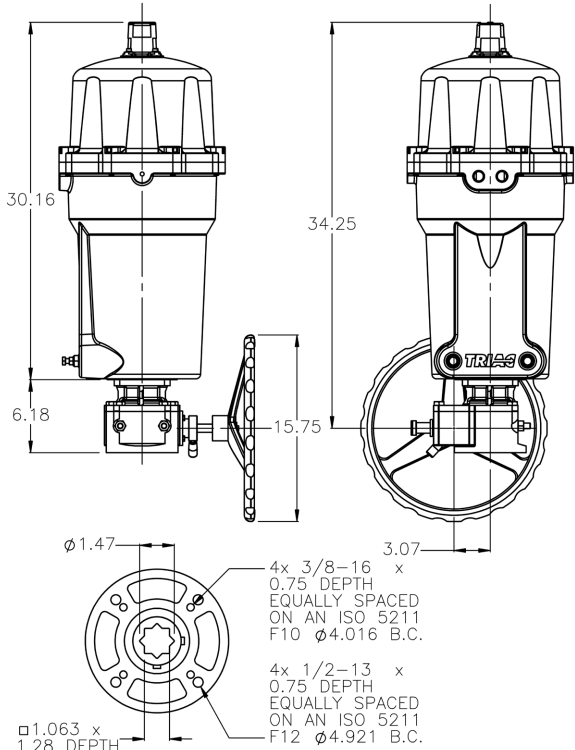
| Spring End Torque | 90° Cycle Time <sup>1</sup> | Spring Fail Time <sup>1</sup> | Motor Size |     | Full Load Amps |      |      | Duty Cycle | Weight   |                    |
|-------------------|-----------------------------|-------------------------------|------------|-----|----------------|------|------|------------|----------|--------------------|
|                   |                             |                               | Watts      |     | DC             | AC   |      |            | Standard | w/ Manual Override |
| In-Lbs            | Seconds                     | Seconds                       | DC         | AC  | 24V            | 110V | 220V | %          | Lbs.     | Lbs.               |
| 3200              | 30                          | 2                             | 100        | 150 | 9.0            | 2.5  | 1.3  | 50         | 215      | 281                |

<sup>1</sup> Cycle and Spring Fail Times are under no load conditions.

### Standard:



### With Manual Override:



# Electric Spring Return Actuators

## SRX Series

### How to Order

|                |                                                                                       |
|----------------|---------------------------------------------------------------------------------------|
| <b>1 Model</b> |                                                                                       |
| SRX            | Explosion Proof, Class I, Division 1, Groups C & D, T4 Design, Type 4, 4x, IP 66 & 67 |

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| <b>2 Main Control</b> |                                                   |
| Blank                 | (2) Position Control (Open / Close)               |
| M                     | Standard Modulating Control Card with Transmitter |
| P                     | Profibus DP (go to 3)                             |
| R                     | Modbus RTU Single Channel (go to 3)               |

|                                                        |                                                          |
|--------------------------------------------------------|----------------------------------------------------------|
| <b>3 Main Control Type (with Communication Option)</b> |                                                          |
| Blank                                                  | No Communication Control Type                            |
| A                                                      | Communication Control, Proportional Control/Feedback     |
| B                                                      | Communication Control, (2) Position Control (Open/Close) |

|                         |             |
|-------------------------|-------------|
| <b>4 Actuator Sizes</b> |             |
| 0300                    | 300 In-Lbs  |
| 0600                    | 600 In-Lbs  |
| 1200                    | 1200 In-Lbs |
| 1800                    | 1800 In-Lbs |
| 3200                    | 3200 In-Lbs |

|                |                                                      |
|----------------|------------------------------------------------------|
| <b>5 Motor</b> |                                                      |
| X              | 110VAC / 1Phase                                      |
| C              | 24VDC On/Off & Modulating (SRX-0600 & SRX-3200 only) |
| E              | 220VAC / 1Phase                                      |

|                                    |                             |
|------------------------------------|-----------------------------|
| <b>6 Secondary Control Options</b> |                             |
| X                                  | Multiple Option Designation |

|                                                                               |                                                |
|-------------------------------------------------------------------------------|------------------------------------------------|
| <b>7 Miscellaneous Options 1</b> <i>Other options available upon request.</i> |                                                |
| X                                                                             | Multiple Option Designation                    |
| T                                                                             | 0-10VDC / 4-20mA Transmitter (2 Position Only) |
| N                                                                             | 1000 Ohm Potentiometer (2 Position Only)       |
| O                                                                             | 5000 Ohm Potentiometer (2 Position Only)       |
| P                                                                             | 10K Ohm Potentiometer (2 Position Only)        |
| S                                                                             | (4) Auxiliary Limit Switches (6 Total)         |

|                         |                               |
|-------------------------|-------------------------------|
| <b>8 Fail Direction</b> |                               |
| FC                      | Fail Close / Clockwise        |
| FO                      | Fail Open / Counter-Clockwise |

|                             |                                          |
|-----------------------------|------------------------------------------|
| <b>9 Additional Options</b> |                                          |
| Blank                       | No Designation, Actuator Series Standard |
| M                           | Manual Override                          |

| HOW TO ORDER ELECTRIC ACTUATORS |   |   |      |      |   |   |   |    |
|---------------------------------|---|---|------|------|---|---|---|----|
| 1                               | 2 | 3 | 4    | 5    | 6 | 7 | 8 | 9  |
| ↓                               | ↓ | ↓ | ↓    | ↓    | ↓ | ↓ | ↓ | ↓  |
| SRX                             | M | - | 1200 | X    | X | X | - | FC |
| SRX                             | R | B | -    | 1200 | X | X | X | -  |
|                                 |   |   |      |      |   |   |   | M  |





# Electric Spring Return Actuators

