

# TL4019

## Safety Interlock Switch with Guard Door Locking

- High locking force of 1,200 N (270 lb.) locks guard door shut until machine is safe to enter
- IP67 (NEMA 6) enclosure enables the TL4019 to withstand water washdown
- Door and lock monitoring—the TL4019 has a total of 4 contacts: 2 N/C safety + 1 contact for door position monitoring + 1 contact for lock monitoring
- Rear manual release—allows unlocking of switch from inside of guarded area per ANSI/RIA R15.06
- Narrow profile enables mounting to 2 in. square tubing or in applications with space restrictions
- Rotatable head—the rotatable head of the TL4019 provides 8 actuator entry positions to satisfy most installation requirements
- Optional key release—this option on power-to-unlock models allows manual unlocking of the guard door
- Optional slide bolt with integral door handle aids installation on sliding and swinging guard doors
- A Rapid Delivery Product: Select models are available for shipment today or within 3 to 5 days



Conforms to EN60947-5-1, EN1088,  
EN ISO 13849-1  
UL and C-UL listed  
DGV approved

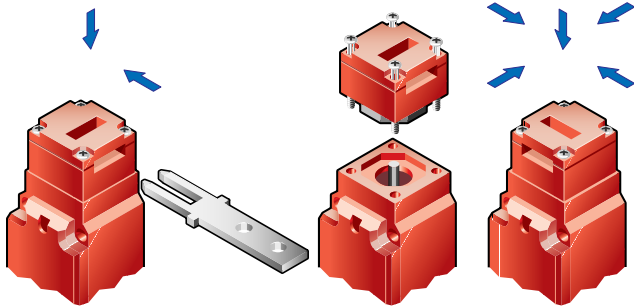
## Specifications

| Electrical               | All Models                                                                                                             | TL4019-1 & -2 | TL4019-3 & -4                                   | TL4019-5      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------|---------------|
| Safety Contacts:         |                                                                                                                        | 2 N/C         | 2 N/C                                           | 1 N/C         |
| Auxiliary Contacts:      |                                                                                                                        | 2 N/O         | 1 N/O + 1 N/O<br>1 N/O + 1 N/C<br>1 N/C + 1 N/O | 1 N/C + 1 N/O |
| Switching Ability        | AC: 230 V – 4 A<br>DC: 24 V – 4 A                                                                                      |               |                                                 |               |
| Safety Contact Material: | Silver alloy with gold flash                                                                                           |               |                                                 |               |
| Minimum Current:         | 24 V 1 mA                                                                                                              |               |                                                 |               |
| Solenoid Supply Voltage: | 24 VAC/DC or 110 VAC (all -15% / +10%)                                                                                 |               |                                                 |               |
| Solenoid Power:          | 8 W                                                                                                                    |               |                                                 |               |
| Solenoid Rating:         | 100% duty                                                                                                              |               |                                                 |               |
| <b>Mechanical</b>        |                                                                                                                        |               |                                                 |               |
| Mounting:                | Any position                                                                                                           |               |                                                 |               |
| Mounting Hardware:       | 4 x M5 screws (not supplied)                                                                                           |               |                                                 |               |
| Min Operating Radius:    | Approximately 100 mm (3.9 in.) with flex actuators<br>Approximately 1000 mm (39 in.) with flat and 90-degree actuators |               |                                                 |               |
| Max Holding Force:       | 1200 N (270 lb.)                                                                                                       |               |                                                 |               |
| Max Actuation Speed:     | 20 m/min.                                                                                                              |               |                                                 |               |
| Case Material:           | Reinforced thermoplastic                                                                                               |               |                                                 |               |
| Actuator Material:       | Stainless steel                                                                                                        |               |                                                 |               |
| Wiring Entry:            | 3 x M20 conduit with 0.5 in. NPT adapter                                                                               |               |                                                 |               |
| Weight:                  | 500 g (17 oz.)                                                                                                         |               |                                                 |               |
| Color:                   | Red                                                                                                                    |               |                                                 |               |
| Mechanical Life:         | 1 x 10 <sup>6</sup> minimum                                                                                            |               |                                                 |               |
| <b>Environmental</b>     |                                                                                                                        |               |                                                 |               |
| Protection:              | IP67 (NEMA 6)                                                                                                          |               |                                                 |               |
| Operating Temperature:   | -20 to 55°C (-4 to 131°F)                                                                                              |               |                                                 |               |
| Cleaning:                | Water washdown                                                                                                         |               |                                                 |               |
| <b>Compliance</b>        |                                                                                                                        |               |                                                 |               |
| Standards:               | EN60947-5-1, EN1088, EN ISO 13849-1, ISO 14119                                                                         |               |                                                 |               |
| Approvals/Listings:      | CE marked for all applicable directives, UL and C-UL, DGV                                                              |               |                                                 |               |

Specifications are subject to change without notice.

Note: The safety contacts of the STI switches are described as normally closed (N/C)—i.e., with the guard closed, actuator in place, and the machine able to be started.

## Operation



### Optional Slide Bolts

- Allows easy installation of switch on machine guards
- Actuator included (order switch separately)
- Integral handle included
- Metal is ideal for heavy doors; plastic is suitable for smaller and lighter doors
- Slotted hole in bolt permits attaching multiple padlocks
- Yellow color for easy recognition



Metal Slide Bolt



Plastic Slide Bolt

### Alignment Guide

Optional stainless steel alignment guide aids actuator entry and is easily installed.



### Flat Actuator

Available with and without rubber bushings.



### 90-Degree Actuator

Available with and without rubber bushings.



### Optional Rear Release

- Allows manual rear release of a locked switch from inside a guarded area per ANSI/RIA R15.06
- May be installed on switch in conjunction with or without the use of a slide bolt
- Must use with Rear Release Switch Models only

### Optional Key Release

A key release unit is easily attached to the TL4019 to provide emergency override of the switch locking mechanism by a qualified, responsible person.



### Flexible 1 Actuator

15 degree flexibility may be adjusted with the set screw.



### Flexible 2 Actuator

15 degree flexibility may be adjusted with the set screw



Rear Release Actuator (Included with Rear Release Switches)



Rear Release T-Handle (Order separately)

### Optional LED Lid Kit

Provides red and green LED indicators with user-configured operation.



### Optional Interior Lever Kit

Use with metal rear release slide bolts.

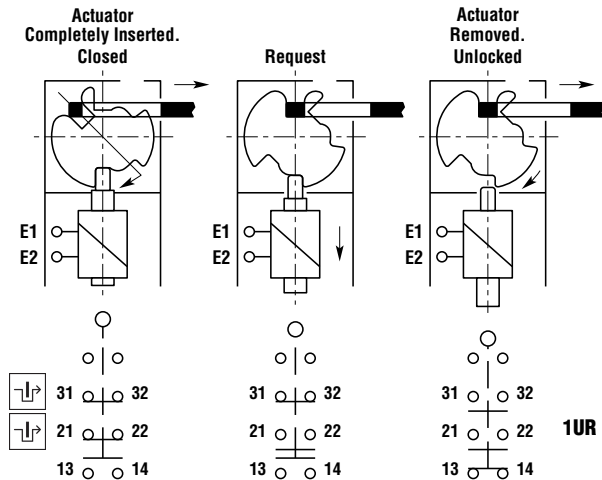


## Operation (continued)

### Contact Arrangements

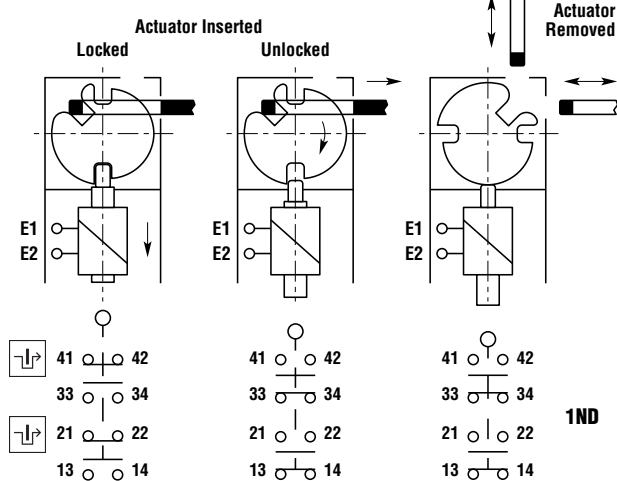
#### With Unlock Request Contact

- 1UR** 1 positively driven N/C contact as door unlock request contact  
1 positively driven N/C contact + 1 N/O (without door contact)



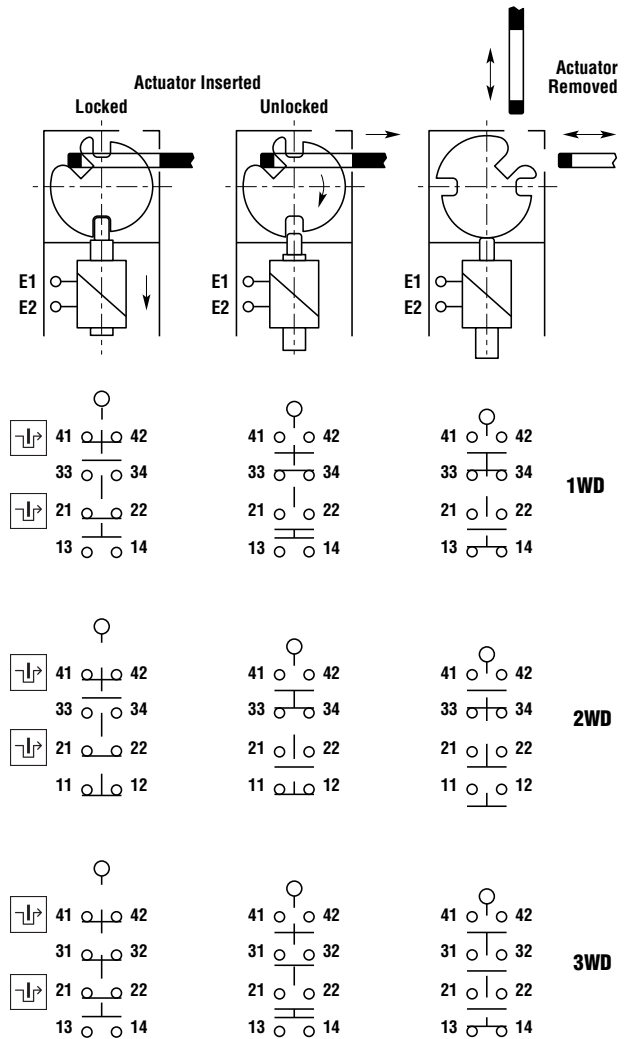
#### Without Door Contact

- 1ND** 2 positively driven N/C contacts + 2 N/O



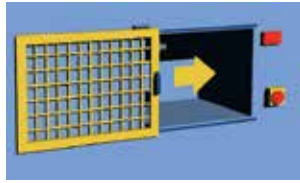
#### With Door Contact

- 1WD** 2 positively driven N/C contacts + 1 N/O + 1 N/O as door contact
- 2WD** 2 positively driven N/C contacts + 1 N/O + 1 N/C as door contact
- 3WD** 2 positively driven N/C contacts + 1 N/C + 1 N/O as door contact



## Applications

Typical applications are on sliding guard doors and swinging guard doors that must remain locked until a signal is applied to the internal solenoid that unlocks the guard door.



## Application Monitoring Units



### SR223SMT Timer Unit

Used with the TL4019 for machines with constant overrun. Gives a timed delay to the lock/release signal. Failsafe and adjustable to a range of times from 1.0 seconds up to 31 seconds.



### SR125SMS45 Stop Motion Sensing Unit

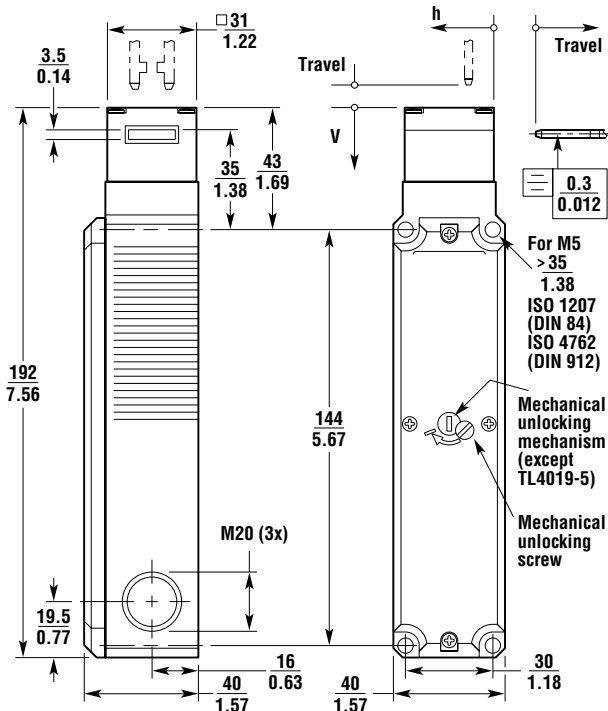
Used with the TL4019 for machines with inconstant or variable overrun. Senses back EMF of AC or DC motors. Failsafe and adjustable to a range of 0.01 V to 0.10 V.



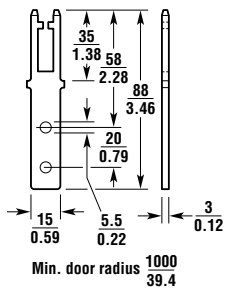
### Safety Monitoring Relay Units

Safety monitoring relays ensure a maximum level of safety by monitoring all wiring in the safety circuit, including switches and contactors. Any fault and the power to the machine is switched off. A variety of safety monitoring relay units are available.

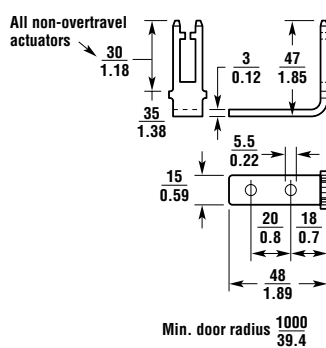
### Optional Metal Slide Bolt for TL4019



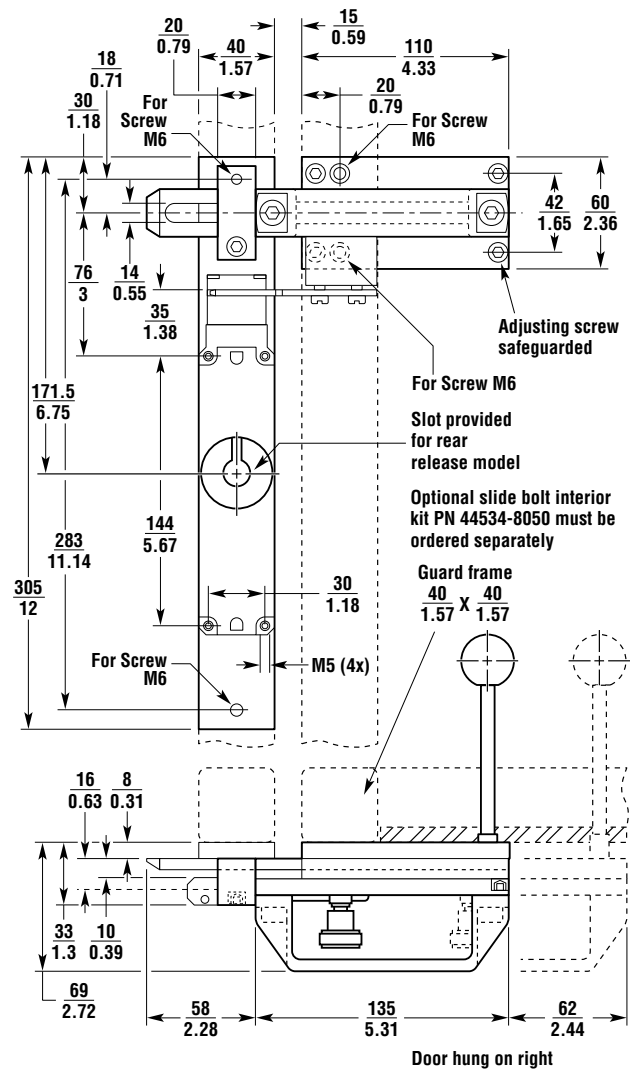
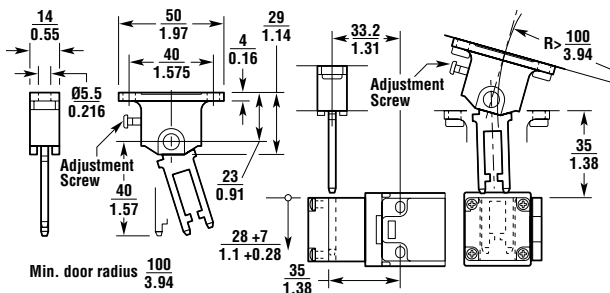
## Overtravel Flat Actuator



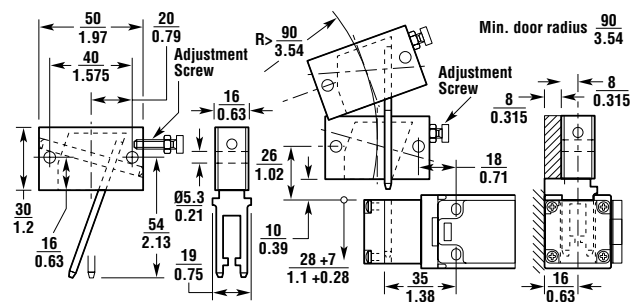
## Overtravel 90-Degree Actuator



## Flexible 1 Actuator



## Flexible 2 Actuator



## Ordering

| Model                                         | Solenoid  | Contacts              | Wiring Entry             | Part No.   |
|-----------------------------------------------|-----------|-----------------------|--------------------------|------------|
| <b>Power to Lock (without door contact)</b>   |           |                       |                          |            |
| TL4019-20241TM (flat actuator)                | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0030 |
| TL4019-20241SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0130 |
| TL4019-20241F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0230 |
| TL4019-20241F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0330 |
| TL4019-21101TM (flat actuator)                | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0040 |
| TL4019-21101SM (90-degree actuator)           | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0140 |
| TL4019-21101F2M (flex 2 actuator)             | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0240 |
| TL4019-21101F1M (flex 1 actuator)             | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0340 |
| <b>Power to Lock (with door contact)</b>      |           |                       |                          |            |
| TL4019-40241TM (flat actuator)                | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0410 |
| TL4019-40241SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0510 |
| TL4019-40241F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0610 |
| TL4019-40241F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-1710 |
| TL4019-41101TM (flat actuator)                | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0420 |
| TL4019-41101SM (90-degree actuator)           | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0520 |
| TL4019-41101F2M (flex 2 actuator)             | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0620 |
| TL4019-41101F1M (flex 1 actuator)             | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-1720 |
| TL4019-40242TM (flat actuator)                | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0430 |
| TL4019-40242SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0530 |
| TL4019-40242F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0630 |
| TL4019-40242F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-1730 |
| TL4019-41102TM (flat actuator)                | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0440 |
| TL4019-41102SM (90-degree actuator)           | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0540 |
| TL4019-41102F2M (flex 2 actuator)             | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0640 |
| TL4019-41102F1M (flex 1 actuator)             | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-1740 |
| TL4019-40243TM (flat actuator)                | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0450 |
| TL4019-40243SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0550 |
| TL4019-40243F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0650 |
| TL4019-40243F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1750 |
| TL4019-41103TM (flat actuator)                | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0460 |
| TL4019-41103SM (90-degree actuator)           | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0560 |
| TL4019-41103F2M (flex 2 actuator)             | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0660 |
| TL4019-41103F1M (flex 1 actuator)             | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1760 |
| <b>Power to Unlock (without door contact)</b> |           |                       |                          |            |
| TL4019-10241TM (flat actuator)                | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0010 |
| TL4019-10241SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0110 |
| TL4019-10241F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0210 |
| TL4019-10241F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0310 |
| TL4019-11101TM (flat actuator)                | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0020 |
| TL4019-11101SM (90-degree actuator)           | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0120 |
| TL4019-11101F2M (flex 2 actuator)             | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0220 |
| TL4019-11101F1M (flex 1 actuator)             | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-0320 |
| TL4019-10241SKM w/key (90-degree actuator)    | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-1110 |
| TL4019-11101SKM w/key (90-degree actuator)    | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20 with NPT adapter | 44534-1120 |
| <b>Power to Unlock (with door contact)</b>    |           |                       |                          |            |
| TL4019-30241TM (flat actuator)                | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0050 |
| TL4019-30241SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-0150 |
| TL4019-30241F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1N/O  | 3 x M20 with NPT adapter | 44534-0250 |
| TL4019-30241F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1N/O  | 3 x M20 with NPT adapter | 44534-0350 |
| TL4019-31101TM (flat actuator)                | 110 VAC   | 2 N/C + 1 N/O + 1N/O  | 3 x M20 with NPT adapter | 44534-0060 |
| TL4019-31101SM (90-degree actuator)           | 110 VAC   | 2 N/C + 1 N/O + 1N/O  | 3 x M20 with NPT adapter | 44534-0160 |
| TL4019-31101F2M (flex 2 actuator)             | 110 VAC   | 2 N/C + 1 N/O + 1N/O  | 3 x M20 with NPT adapter | 44534-0260 |
| TL4019-31101F1M (flex 1 actuator)             | 110 VAC   | 2 N/C + 1 N/O + 1N/O  | 3 x M20 with NPT adapter | 44534-0360 |
| TL4019-30242TM (flat actuator)                | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C  | 3 x M20 with NPT adapter | 44534-0070 |
| TL4019-30242SM (90-degree actuator)           | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C  | 3 x M20 with NPT adapter | 44534-0170 |
| TL4019-30242F2M (flex 2 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C  | 3 x M20 with NPT adapter | 44534-0270 |
| TL4019-30242F1M (flex 1 actuator)             | 24 VAC/DC | 2 N/C + 1 N/O + 1N/C  | 3 x M20 with NPT adapter | 44534-0370 |

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## Ordering (continued)

| Model                                                                                                              | Solenoid  | Contacts              | Wiring Entry             | Part No.   |
|--------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|--------------------------|------------|
| TL4019-31102TM (flat actuator)                                                                                     | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0080 |
| TL4019-31102SM (90-degree actuator)                                                                                | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0180 |
| TL4019-31102F2M (flex 2 actuator)                                                                                  | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0280 |
| TL4019-31102F1M (flex 1 actuator)                                                                                  | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-0380 |
| TL4019-30243TM (flat actuator)                                                                                     | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0090 |
| TL4019-30243SM (90-degree actuator)                                                                                | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0190 |
| TL4019-30243F2M (flex 2 actuator)                                                                                  | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0290 |
| TL4019-30243F1M (flex 1 actuator)                                                                                  | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0390 |
| TL4019-31103TM (flat actuator)                                                                                     | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0400 |
| TL4019-31103SM (90-degree actuator)                                                                                | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0500 |
| TL4019-31103F2M (flex 2 actuator)                                                                                  | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0600 |
| TL4019-31103F1M (flex 1 actuator)                                                                                  | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1700 |
| TL4019-30241SKM w/key (90-degree actuator)                                                                         | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-1150 |
| TL4019-31101SKM w/key (90-degree actuator)                                                                         | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20 with NPT adapter | 44534-1160 |
| TL4019-30242SKM w/key (90-degree actuator)                                                                         | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-1170 |
| TL4019-31102SKM w/key (90-degree actuator)                                                                         | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20 with NPT adapter | 44534-1180 |
| TL4019-30243SKM w/key (90-degree actuator)                                                                         | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1190 |
| TL4019-31103SKM w/key (90-degree actuator)                                                                         | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1500 |
| <b>Power to Unlock (with unlock request contact) (mechanical unlocking is not available on these switches)</b>     |           |                       |                          |            |
| TL4019-50241TM (flat actuator)                                                                                     | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0470 |
| TL4019-50241SM (90-degree actuator)                                                                                | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0570 |
| TL4019-50241F2M (flex 2 actuator)                                                                                  | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-0670 |
| TL4019-50241F1M (flex 1 actuator)                                                                                  | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20 with NPT adapter | 44534-1770 |
| <b>Switch Only (no actuators or adapters included)</b>                                                             |           |                       |                          |            |
| <b>Power to Unlock (without door contact)</b>                                                                      |           |                       |                          |            |
| TL4019-10241                                                                                                       | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20                  | 44534-2010 |
| TL4019-11101                                                                                                       | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20                  | 44534-2020 |
| <b>Power to Unlock (with door contact)</b>                                                                         |           |                       |                          |            |
| TL4019-30241                                                                                                       | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20                  | 44534-2050 |
| TL4019-31101                                                                                                       | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20                  | 44534-2060 |
| TL4019-30242                                                                                                       | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20                  | 44534-2070 |
| TL4019-31102                                                                                                       | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20                  | 44534-2080 |
| TL4019-30243                                                                                                       | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-2090 |
| TL4019-31103                                                                                                       | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-2100 |
| <b>Power to Unlock (with unlock request contact)</b>                                                               |           |                       |                          |            |
| TL4019-50241                                                                                                       | 24 VAC/DC | 1 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-2170 |
| <b>Power to Lock (without door contact)</b>                                                                        |           |                       |                          |            |
| TL4019-20241                                                                                                       | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20                  | 44534-2030 |
| TL4019-21101                                                                                                       | 110 VAC   | 2 N/C + 2 N/O         | 3 x M20                  | 44534-2040 |
| <b>Power to Lock (with door contact)</b>                                                                           |           |                       |                          |            |
| TL4019-40241                                                                                                       | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20                  | 44534-2110 |
| TL4019-41101                                                                                                       | 110 VAC   | 2 N/C + 1 N/O + 1 N/O | 3 x M20                  | 44534-2120 |
| TL4019-40242                                                                                                       | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20                  | 44534-2130 |
| TL4019-41102                                                                                                       | 110 VAC   | 2 N/C + 1 N/O + 1 N/C | 3 x M20                  | 44534-2140 |
| TL4019-40243                                                                                                       | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-2150 |
| TL4019-41103                                                                                                       | 110 VAC   | 2 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-2160 |
| <b>Rear Release (no actuators or adapters included; rear release actuator included; order T-handle separately)</b> |           |                       |                          |            |
| <b>Power to Unlock (without door contact)</b>                                                                      |           |                       |                          |            |
| TL4019-10241RR                                                                                                     | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20                  | 44534-3010 |
| <b>Power to Unlock (with door contact)</b>                                                                         |           |                       |                          |            |
| TL4019-30241RR                                                                                                     | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20                  | 44534-3050 |
| TL4019-30242RR                                                                                                     | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20                  | 44534-3070 |
| TL4019-30243RR                                                                                                     | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-3090 |
| <b>Power to Lock (without door contact)</b>                                                                        |           |                       |                          |            |
| TL4019-20241RR                                                                                                     | 24 VAC/DC | 2 N/C + 2 N/O         | 3 x M20                  | 44534-3030 |
| <b>Power to Lock (with door contact)</b>                                                                           |           |                       |                          |            |
| TL4019-40241RR                                                                                                     | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/O | 3 x M20                  | 44534-3110 |
| TL4019-40242RR                                                                                                     | 24 VAC/DC | 2 N/C + 1 N/O + 1 N/C | 3 x M20                  | 44534-3130 |
| TL4019-40243RR                                                                                                     | 24 VAC/DC | 2 N/C + 1 N/C + 1 N/O | 3 x M20                  | 44534-3150 |

(Continued on next page)

## Ordering (continued)

| Accessories                                                                                         |  |  |  | Part No.   |
|-----------------------------------------------------------------------------------------------------|--|--|--|------------|
| <b>Standard Actuators</b>                                                                           |  |  |  |            |
| Replacement flat actuator for TL4019                                                                |  |  |  | 44534-0700 |
| Replacement 90-degree actuator for TL4019                                                           |  |  |  | 44534-0710 |
| Replacement flex 2 actuator for TL4019                                                              |  |  |  | 44534-0720 |
| Replacement flex 1 actuator for TL4019                                                              |  |  |  | 44534-0730 |
| <b>Standard Actuators with Rubber Bushing</b>                                                       |  |  |  |            |
| Replacement flat actuator RB for TL4019                                                             |  |  |  | 44534-0740 |
| Replacement 90-degree actuator RB for TL4019                                                        |  |  |  | 44534-0750 |
| <b>Overtravel Actuators</b>                                                                         |  |  |  |            |
| Replacement flat actuator OT for TL4019                                                             |  |  |  | 44534-0701 |
| Replacement 90-degree actuator OT for TL4019                                                        |  |  |  | 44534-0711 |
| Replacement flex 2 actuator OT for TL4019                                                           |  |  |  | 44534-0721 |
| Replacement flex 1 actuator OT for TL4019                                                           |  |  |  | 44534-0731 |
| <b>Overtravel Actuators with Rubber Bushing</b>                                                     |  |  |  |            |
| Replacement flat actuator OTRB for TL4019                                                           |  |  |  | 44534-0741 |
| Replacement 90-degree actuator OTRB for TL4019                                                      |  |  |  | 44534-0751 |
| <b>Slide Bolts</b>                                                                                  |  |  |  |            |
| Bolt for right-hung door for TL4019 with/without rear release (yellow metal)                        |  |  |  | 44534-8130 |
| Bolt for left-hung door for TL4019 with/without rear release (yellow metal)                         |  |  |  | 44534-8140 |
| Plastic slide bolt for right or left-hung door for TL4019 (yellow) (okay for rear release switches) |  |  |  | 44534-8070 |
| Slide bolt interior lever kit (use with rear release slide bolts only)                              |  |  |  | 44534-8050 |
| Rear release T-handle (use with rear release switches only)                                         |  |  |  | 44534-8060 |
| Bracket for TL4019 (galvanized)                                                                     |  |  |  | 44534-8020 |
| Handle without snap-in (use with 44534-8020 bracket) (galvanized)                                   |  |  |  | 44534-8000 |
| Handle with snap-in (use with 44534-8020 bracket) (galvanized)                                      |  |  |  | 44534-8010 |
| <b>Miscellaneous</b>                                                                                |  |  |  |            |
| Stainless steel alignment guide for TL4019 (must use with Overtravel Actuator)                      |  |  |  | 44534-0780 |
| Latch spring for TL4019 (provides greater retention force for actuator)                             |  |  |  | 44534-0760 |
| Lockout bar for TL4019 (prevents insertion of actuator into switch)                                 |  |  |  | 44534-0770 |
| Key lock release for TL4019 (2 keys included) (Do not use with TL4019-5)                            |  |  |  | 44534-0802 |
| Spare keys for key lock above (44534-0802) for TL4019                                               |  |  |  | 44534-0812 |
| Spare keys for key lock (44534-0800, no longer available)                                           |  |  |  | 44534-0810 |
| Unique key lock release for TL4019 (2 unique keys included) (Do not use with TL4019-5)              |  |  |  | 44534-0820 |
| Replacement head for TL4019                                                                         |  |  |  | 44534-0790 |
| LED lid kit (for 24 VAC/DC switches only)                                                           |  |  |  | 44534-0761 |