



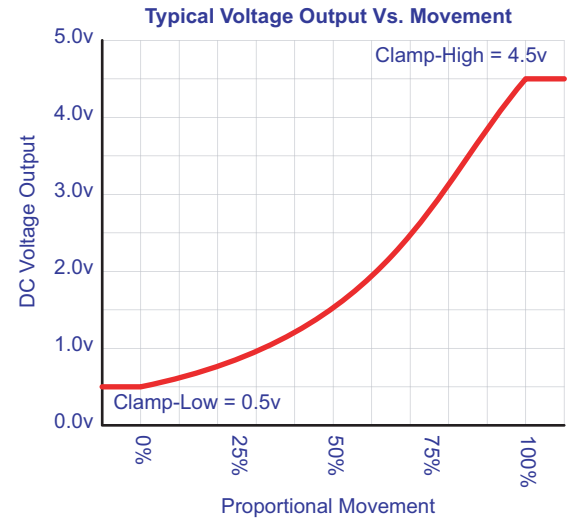
# Pro-Switch

Momentary Proportional Pushbutton

## Momentary Proportional Pushbutton

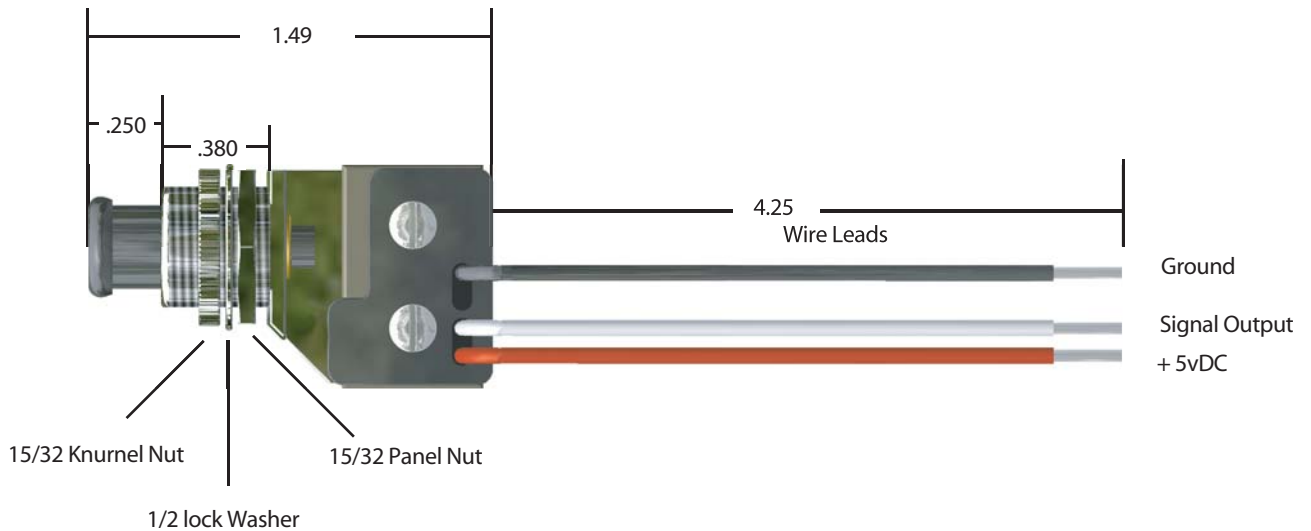
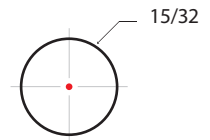
The CTI Pro-Switch uses proven Hall Effect technology providing the user with an output proportional to the movement of the switch actuator. State of the art electronics combined with an environmentally sealed enclosure guarantees the switch will withstand the harsh environments that's demanded in today's equipment industries.

The CTI Pro-Switch can be easily incorporated into all of Cyber-Tech's Industrial control handles or used as a standalone switch.



- Supply: 5vDC (4.5min - 5.5max).
- Signal Level Output: 0.50vDC - 4.50vDC.
- Travel: 0.175in +/-0.015in.
- Environmentally Sealed Electronics.
- Over-voltage and reverse-voltage protected within absolute maximum ratings.
- Operates from -40°C up to 150°C Ambient Temperature.
- Designed to be used with External Processors, PLCs and Valve Driver Card.
- Signal level output is factory adjustable.
- Fits all Cyber-Tech, Inc Control Handles.

Panel Cutout Dimensions



CTI Part # 32-P-090049-01 Momentary Proportional Pushbutton

Technical Data 1

[www.cyber-tech.net](http://www.cyber-tech.net)

1-800-621-8754

Cycles: 10,000,000  
 Supply: 5vDC (4.5min - 5.5max)  
 Signal Level Output: 0.50vDC - 4.50vDC  
 Travel: 0.175in +/-0.015in

Spring Rate: 6.9 lbs  
 Temperature Range: -40°C up to 150°C  
 Environmental Protection: IP40, IP67  
 Wire Leads: Standard



# Pro-Switch Accessories

Momentary Proportional Pushbutton

## WARNING PERSONAL INJURY

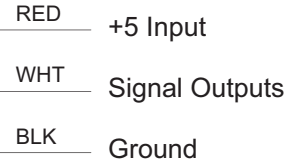
DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury and or property damage.



PS-1  
CTI Pro-Switch

### Proportional Momentary Pushbutton

32-P-090049-01  
Hall Effect Sensor



<p>Seal Boot</p> <p>CTI Part # 33-BPB-589</p>	<p>Seal Boot</p> <p>CTI Part # 33-BPB-40151</p>	<p>Black Seal Cap</p> <p>CTI Part # 76-010189-01</p>	<p>Red Seal Cap</p> <p>CTI Part # 76-010321-01</p>
<p>Dusk Seal Cap</p> <p>CTI Part # 76-010310-01</p>	<p>Gray Seal Cap</p> <p>CTI Part # 76-010314-01</p>	<p>Green Seal Cap</p> <p>CTI Part # 76-000030-01</p>	<p>Marigold Seal Cap</p> <p>CTI Part # 76-010318-01</p>
<p>Orange Seal Cap</p> <p>CTI Part # 76-010057-01</p>	<p>Lock Washer</p> <p>CTI Part # 99-W-1/2-L-S</p>	<p>Hex Nut</p> <p>CTI Part # 99-N-15/32-32</p>	<p>Knurl Nut</p> <p>CTI Part # 99-N-15/32-32-RK</p>

CTI Part # 32-P-090049-01 Momentary Proportional Pushbutton [Technical Data Page 2](#)

[www.cyber-tech.net](http://www.cyber-tech.net)

1-800-621-8754

Cycles: 10,000,000  
Supply: 5vDC (4.5min - 5.5max)  
Signal Level Output: 0.50vDC - 4.50vDC  
Travel: 0.175in +/-0.015in  
Spring Rate: 6.9 lbs  
Temperature Range: -40°C up to 150°C  
Environmental Protection: IP40, IP67  
Wire Leads: Standard

Document Date: 03-01-2009

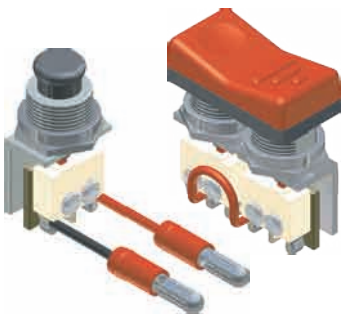
"a commitment to intergrated engineering & design"

Image & Specifications Are Subject To Change Without Notice

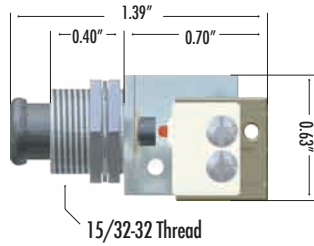
Made in USA

# Switches

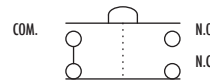
## Standard CTI Switches



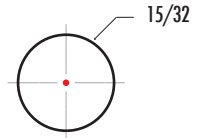
### CTI Pushbutton Switches



#### Circuit Diagram



#### Panel Cutout Dimensions



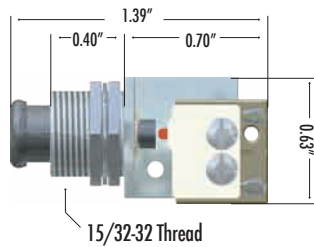
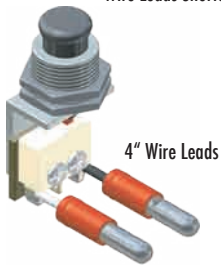
CTI Part # **32-P-A60215-01** SPDT - mom

#### Technical Data

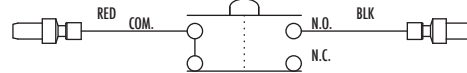
Cycles: **10,000,000**  
 Current Rating: **5 amps@120 vAC, 30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **N/A**

Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **None**  
 Terminals: **None**

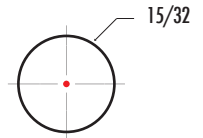
Wire Leads Shorted For Clarity



#### Circuit Diagram



#### Panel Cutout Dimensions

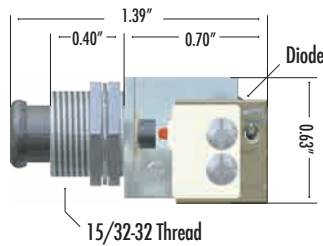


CTI Part # **32-P-A91115-01** SPDT - mom (w/leads)

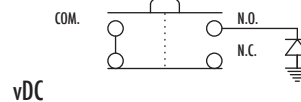
#### Technical Data

Cycles: **10,000,000**  
 Current Rating: **5 amps@120 vAC, 30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **N/A**

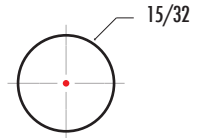
Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **4"**  
 Terminals: **Male Bullet 22-16, 0.156**



#### Circuit Diagram



#### Panel Cutout Dimensions



CTI Part # **32-P-A92231-01** SPDT - mom (DC)

#### Technical Data

Cycles: **10,000,000**  
 Current Rating: **5 amps@30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **N/A**

Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **None**  
 Terminals: **None**

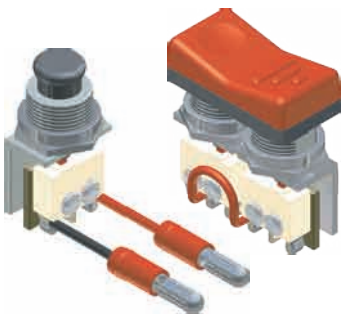
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1-800-621-8754

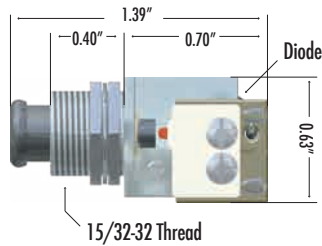
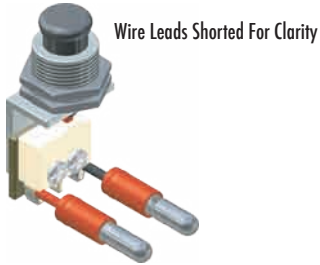


# Switches

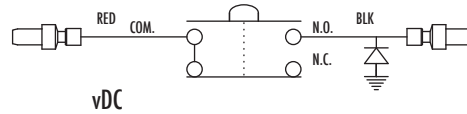
## Standard CTI Switches



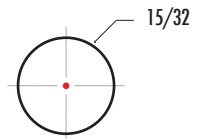
### CTI Pushbutton Switches



#### Circuit Diagram



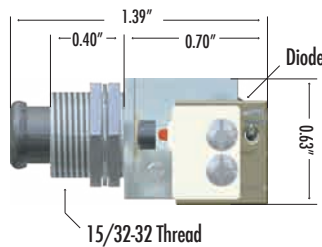
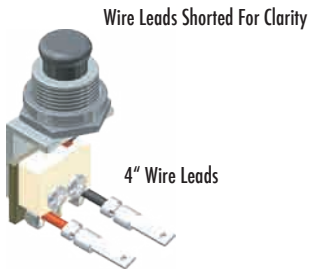
#### Panel Cutout Dimensions



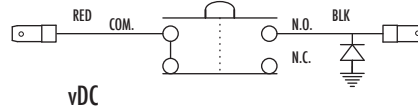
CTI Part # **32-P-A91113-01** SPDT - mom (DC w/leads)

#### Technical Data

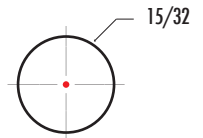
Cycles: **10,000,000**  
 Current Rating: **5 amps@ 30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **N/A**  
 Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **4"**  
 Terminals: **Male Bullet 22-16, 0.156**



#### Circuit Diagram



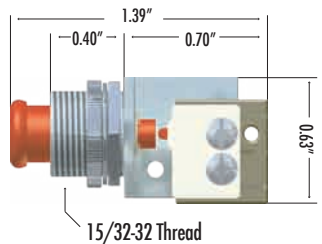
#### Panel Cutout Dimensions



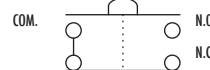
CTI Part # **32-P-040004-01** SPDT - mom (DC w/S/leads)

#### Technical Data

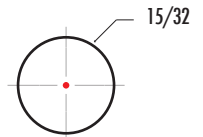
Cycles: **10,000,000**  
 Current Rating: **5 amps@ 30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **N/A**  
 Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **4"**  
 Terminals: **Male Amp**



#### Circuit Diagram



#### Panel Cutout Dimensions



CTI Part # **32-P-970147-01** SPDT - mom (RS)

#### Technical Data

Cycles: **10,000,000**  
 Current Rating: **5 amps@ 120vAC, 30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **N/A**  
 Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **None**  
 Terminals: **None**

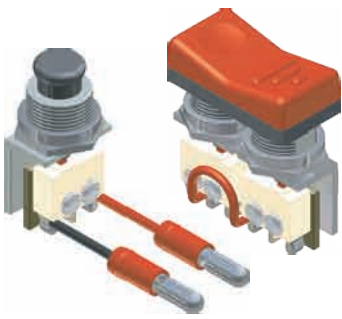
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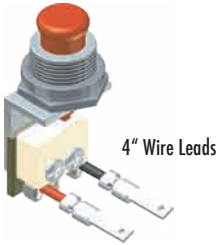
# Switches

## Standard CTI Switches

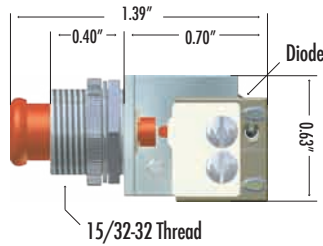


### CTI Pushbutton Switches

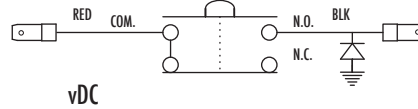
Wire Leads Shorted For Clarity



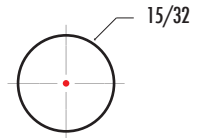
4" Wire Leads



#### Circuit Diagram



#### Panel Cutout Dimensions

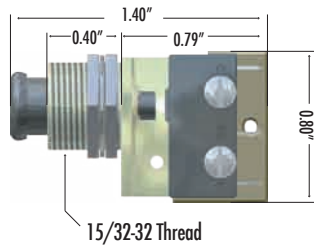


CTI Part # **32-P-970046-01** SPDT - mom (RS DC w/leads)

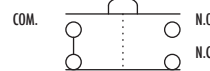
#### Technical Data

Cycles: 10,000,000  
 Current Rating: 5 amps@30vDC  
 Temperature Range: -40°C to +85°C @ Rated Current  
 Internal Seals: N/A

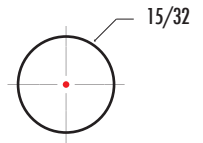
Spring Rate: 6.9 lbs  
 Environmental Protection: IP40, IP67  
 Wire Leads: 4"  
 Terminals: Male Amp



#### Circuit Diagram



#### Panel Cutout Dimensions



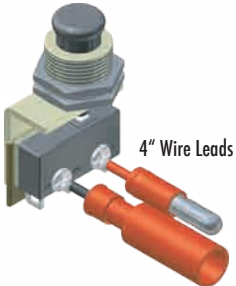
CTI Part # **32-P-11511-02** SPDT - mom (S10A)

#### Technical Data

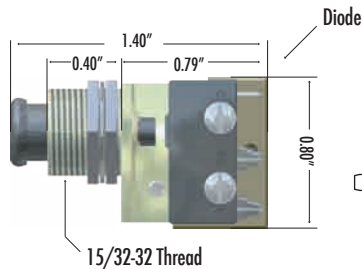
Cycles: 10,000,000  
 Current Rating: 10 amps@ 120vAC, 30vDC  
 Temperature Range: -40°C to +85°C @ Rated Current  
 Internal Seals: N/A

Spring Rate: 6.9 lbs  
 Environmental Protection: IP40, IP67  
 Wire Leads: N/A  
 Terminals: N/A

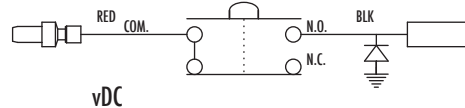
Wire Leads Shorted For Clarity



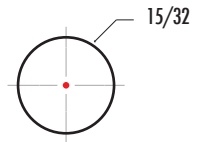
4" Wire Leads



#### Circuit Diagram



#### Panel Cutout Dimensions



CTI Part # **32-P-A11511-01** SPDT - mom (S10A DC w/leads)

#### Technical Data

Cycles: 10,000,000  
 Current Rating: 10 amps@ 30vDC  
 Temperature Range: -40°C to +85°C @ Rated Current  
 Internal Seals: N/A

Spring Rate: 6.9 lbs  
 Environmental Protection: IP40, IP67  
 Wire Leads: 4"  
 Terminals: Bullet M/F 22-16, 0.156

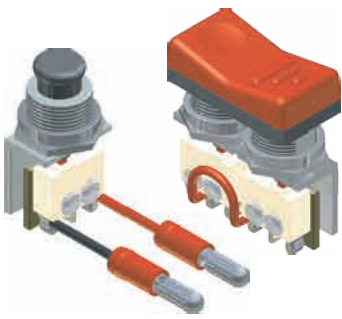
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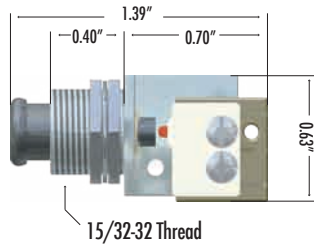


# Switches

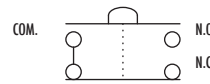
## Standard CTI Switches



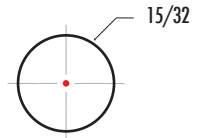
### CTI Pushbutton Switches



#### Circuit Diagram



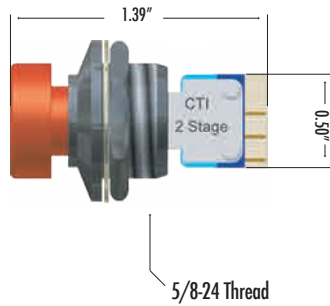
#### Panel Cutout Dimensions



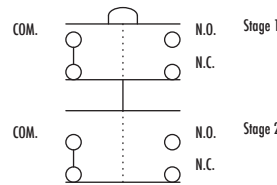
CTI Part # **32-P-010261-01** SPDT - mom (SP)

#### Technical Data

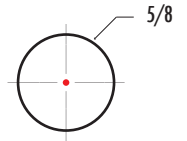
Cycles: **10,000,000**  
 Current Rating: **5 amps@120 vAC, 30vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Internal Seals: **Internal Offset Seals**  
 Spring Rate: **6.9 lbs**  
 Environmental Protection: **IP40, IP67**  
 Wire Leads: **None**  
 Terminals: **None**



#### Circuit Diagram



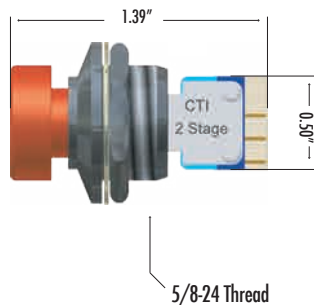
#### Panel Cutout Dimensions



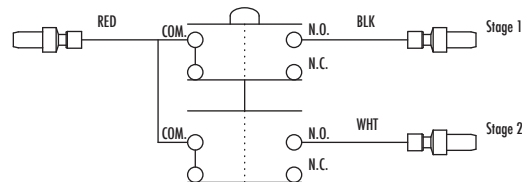
CTI Part # **32-P4-20002-01** 2-SPDT - mom

#### Technical Data

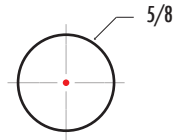
Rating: **5 amps@120 vAC**  
 Rating: **3 amps Inductive@ 28 vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Spring Rate Level1: **1.75 lbs**  
 Spring Rate Level2: **1.75 lbs**  
 Button: **Red Nylon**



#### Circuit Diagram



#### Panel Cutout Dimensions



CTI Part # **32-P4-20002-02** 2-SPDT - mom (w/leads)

#### Technical Data

Rating: **5 amps@120 vAC**  
 Rating: **3 amps Inductive@ 28 vDC**  
 Temperature Range: **-40°C to +85° @ Rated Current**  
 Spring Rate Level1: **1.75 lbs**  
 Spring Rate Level2: **1.75 lbs**  
 Button: **Red Nylon**  
 Terminals: **Male Bullet 22-16, 0.156**

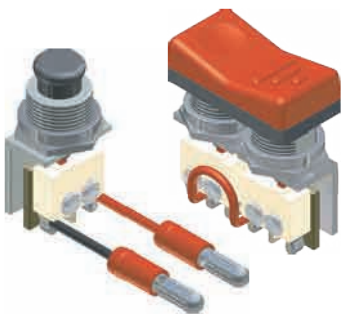
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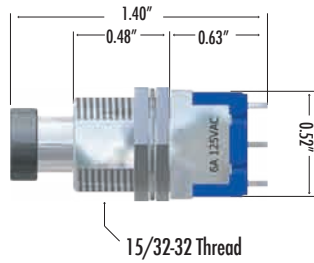


# Switches

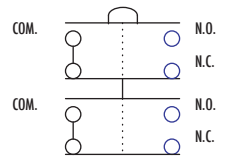
## Standard CTI Switches



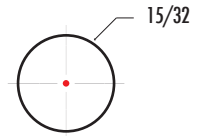
### CTI Pushbutton Switches



#### Circuit Diagram



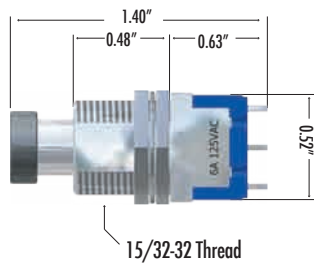
#### Panel Cutout Dimensions



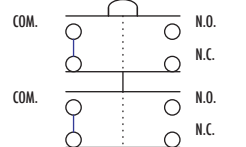
CTI Part # **32-P-940121-01** DPDT - mom

#### Technical Data

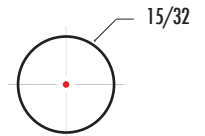
Cycles: **25,000**  
 Current Rating: **6 amps@120 vAC, 30vDC**  
 Temperature Range: **-40°C to +85°C @ Rated Current**  
 Environmental Protection: **IP40**



#### Circuit Diagram



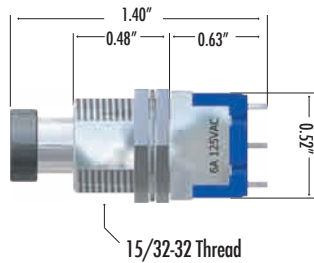
#### Panel Cutout Dimensions



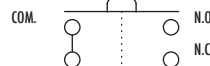
CTI Part # **32-P-940131-01** DPDT - mt

#### Technical Data

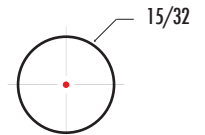
Cycles: **40,000**  
 Current Rating: **6 amps@120 vAC, 30vDC**  
 Temperature Range: **-40°C to +85°C @ Rated Current**  
 Environmental Protection: **IP40**



#### Circuit Diagram



#### Panel Cutout Dimensions



CTI Part # **32-P-940120-01** SPDT - mom

#### Technical Data

Cycles: **25,000**  
 Current Rating: **6 amps@120 vAC, 30vDC**  
 Temperature Range: **-40°C to +85°C @ Rated Current**  
 Environmental Protection: **IP40**

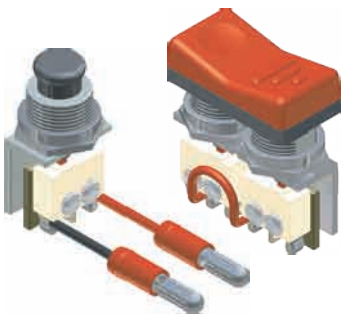
[www.cyber-tech.net](http://www.cyber-tech.net)

1-800-621-8754

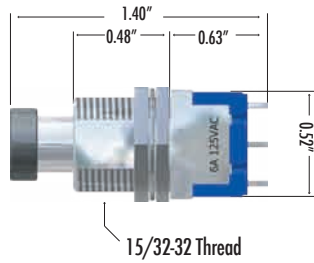


# Switches

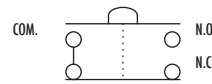
## Standard CTI Switches



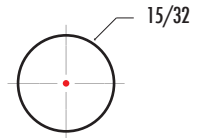
### CTI Pushbutton Switches



#### Circuit Diagram



#### Panel Cutout Dimensions



CTI Part # **32-P-940130-01** SPDT - mt

#### Technical Data

Cycles: **40,000**  
Current Rating: **6 amps@120 vAC, 30vDC**  
Temperature Range: **-40°C to +85°C @ Rated Current**  
Environmental Protection: **IP40**

[www.cyber-tech.net](http://www.cyber-tech.net)

1-800-621-8754

Document Date: 06-01-2005

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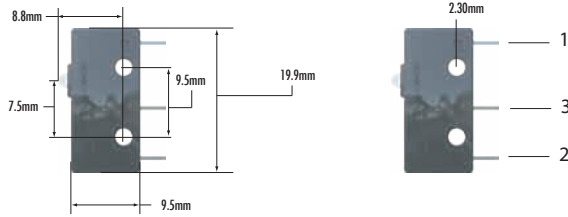
Made in USA



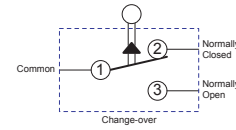


# Switches Accessories

## CTI Pushbuttons



### Circuit Diagram

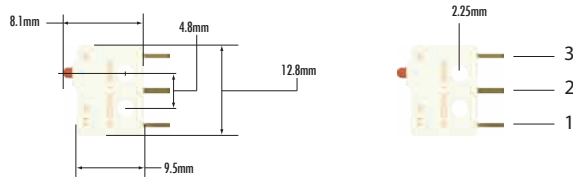


### Technical Data

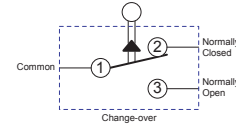
Cycles: 10,000,000  
 Current Rating: 10 amps@120 vAC, 30vDC  
 Temperature Range: -40°C to +85°C @ Rated Current  
 Spring Rate: .668 Lbs  
 Package Size: SS-5

CTI Part # **32-S-XCF3Z1** SPDT - mom (10 amp Micro)

Referenced Dimensions Are In (mm)



### Circuit Diagram



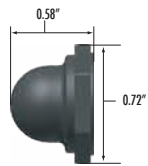
### Technical Data

Cycles: 10,000,000  
 Current Rating: 5 amps@120 vAC, 30vDC  
 Temperature Range: -40°C to +85°C @ Rated Current  
 Spring Rate: .312 Lbs  
 Terminals: 2.0 mm  
 Package Size: F4

CTI Part # **32-S-F4T7** SPDT - mom (5 amp Micro)

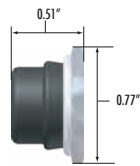
Referenced Dimensions Are In (mm)

### Seal Boot



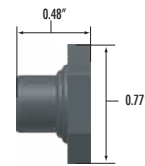
CTI Part # **33-BPB-40151**

### Seal Boot



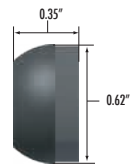
CTI Part # **33-BPB-589**

### Seal Boot



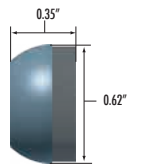
CTI Part # **33-BPB-1532**

### Black Seal Cap



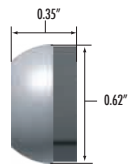
CTI Part # **76-010189-01**

### Dusk Seal Cap



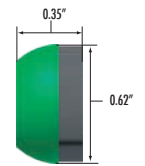
CTI Part # **76-010310-01**

### Gray Seal Cap



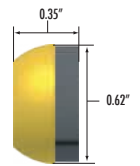
CTI Part # **76-010314-01**

### Green Seal Cap



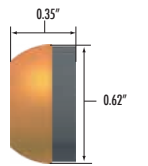
CTI Part # **76-000030-01**

### Marigold Seal Cap



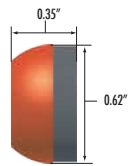
CTI Part # **76-010318-01**

### Orange Seal Cap



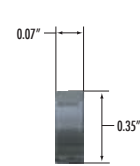
CTI Part # **76-010057-01**

### Red Seal Cap



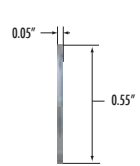
CTI Part # **76-010321-01**

### Black Pushbutton Cap



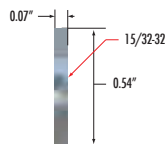
CTI Part # **99-C-8Z0423**

### Lock Washer



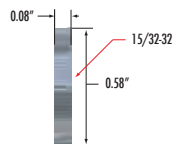
CTI Part # **99-W-1/2L-S**

### Hex Nut



CTI Part # **99-N-15/32-32**

### Knurl Nut



CTI Part # **99-N-15/32-32-RK**

