

**Electrical Characteristics** 

#### **Features**

- Conductive plastic
- PC board and bushing mount
- Plastic or metal bushing and plastic shaft
- Withstands typical industrial washing processes
- Compact package saves board and panel space



# 3310 - 9 mm Square Sealed Panel Control

urical Orial acteristics	
rd Resistance Range - Linear	1 K ohms to 1 megohm
esistance Tolerance - Linear Tapers	±20 %
ndent Linearity	±5 %
te Minimum Resistance	2 ohms maximum
e Electrical Angle	
t Resistance Variation	or 1 ohm (whichever is greater)
ric Withstanding Voltage (MIL-STD-202 – Method 301)	
ı Level	900 VAC minimum
000 Feet	350 VAC minimum
on Resistance	1,000 megohms minimum
Rating @ 70 °C (Derate to 0 at 125 °C - Voltage Limited By Power Dissipation or 200 VAC, Whichever is Less)	0.25 watts
ical Resolution	
ronmental Characteristics	
ng Temperature Range40 °C	to +125 °C (-40 °F to +257 °F)
e Temperature Range55 °C	
ature Coefficient Over Storage Temperature Range	
n	
al Resistance Shift	
rage Ratio Shift	
age Hallo Ollit	
al Resistance Shift	
tage Ratio Shift	
fe	,
al Resistance Shift	
nal Life (No Load)	
al Resistance Shift	
ntact Resistance Variation	
re ResistanceMIL-STD-	202, Method 103, Condition B
re Resistance	202, Method 103, Condition B±10 % TRS maximum
re ResistanceMIL-STD-	202, Method 103, Condition B±10 % TRS maximum
re Resistance	202, Method 103, Condition B±10 % TRS maximum
re Resistance	202, Method 103, Condition B ±10 % TRS maximum IP67
re Resistance	202, Method 103, Condition B±10 % TRS maximumIP67
re Resistance	202, Method 103, Condition B±10 % TRS maximumIP67
re Resistance	202, Method 103, Condition E±10 % TRS maximumIP67
re Resistance	202, Method 103, Condition B±10 % TRS maximumIP675.65 N-cm (8 ozin.)300 ° nomina i3 N-cm (5.0 ozin.) maximum
re Resistance	202, Method 103, Condition E±10 % TRS maximum
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E±10 % TRS maximum
re Resistance	202, Method 103, Condition E±10 % TRS maximum5.65 N-cm (8 ozin300 ° nomina30 N-cm (5.0 ozin.) maximum30 N-cm (5.0 ozin.) maximum4.5 grams2.5 grams
re Resistance	202, Method 103, Condition E±10 % TRS maximum5.65 N-cm (8 ozin300 ° nomina 33 N-cm (5.0 ozin.) maximum 34 N-cm (5.0 ozin.) maximum 5.0 lbin.) max [metal bushing
re Resistance	202, Method 103, Condition E±10 % TRS maximum1P67
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition B
re Resistance	202, Method 103, Condition B±10 % TRS maximum10 % TRS maximum
re Resistance	202, Method 103, Condition B
re Resistance	202, Method 103, Condition E
re Resistance	202, Method 103, Condition E
re Resistance Shift	202, Method 103, Condition B
re Resistance Shift.  In the session of the session	202, Method 103, Condition B

#### **Additional Features**

- Audio taper versions available as special order
- RoHS compliant\*

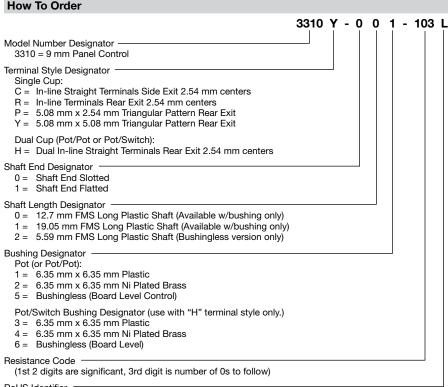
## 3310 - 9 mm Square Sealed Panel Control

#### BOURNS

#### **Standard Resistance Table**

Resistance (Ohms)	Resistance Code		
1,000	102		
2,000	202		
5,000	502		
10,000	103		
20,000	203		
50,000	503		
100,000	104		
200,000	204		
500,000	504		
1,000,000	105		

Popular values listed in boldface. Consult factory for special resistances.



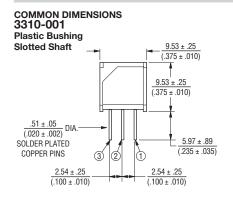
**RoHS** Identifier

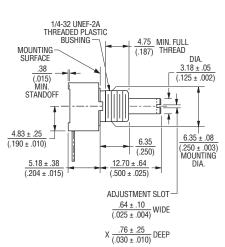
L = Compliant

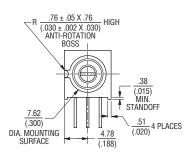
# 3310 - 9 mm Square Sealed Panel Control

#### BOURNS

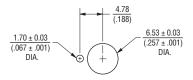
#### **Product Dimensions**

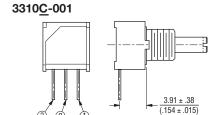




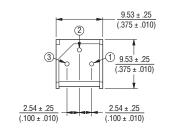


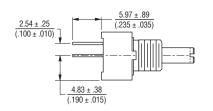
#### MOUNTING HOLE PATTERN



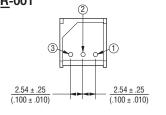


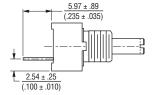
3310P-001





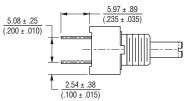
3310R-001



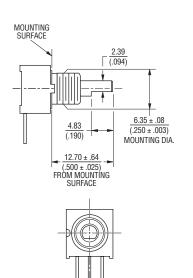


DIMENSIONS:  $\frac{MM}{(INCHES)}$ 

# 3310 $\underline{Y}$ -001 $\underbrace{\begin{array}{c} 9.53 \pm .25 \\ (.375 \pm .010) \\ \end{array}}_{3}$ $\underbrace{\begin{array}{c} 9.53 \pm .25 \\ (.375 \pm .010) \\ \end{array}}_{1}$ $\underbrace{\begin{array}{c} 9.53 \pm .25 \\ (.375 \pm .010) \\ \end{array}}_{1}$



# COMMON DIMENSIONS 3310C-101 Plastic Flatted Shaft



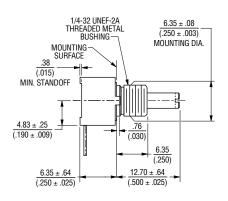
The shaft flat position as shown above is at 50  $\,\%$  of the mechanical travel.

# 3310 - 9 mm Square Sealed Panel Control

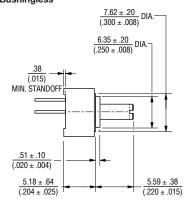
#### BOURNS

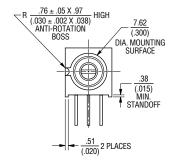
#### **Product Dimensions**

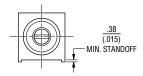
#### COMMON DIMENSIONS 3310-002 Metal Bushing



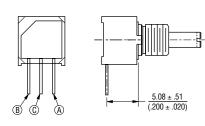
#### 3310<u>P</u>-0<u>25</u> \* Bushingless







#### 3310<u>C</u>-00<u>2</u>



DIMENSIONS:  $\frac{MM}{(INCHES)}$ 

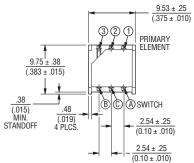
NOTE: \* Only recommended shaft length for bushingless version

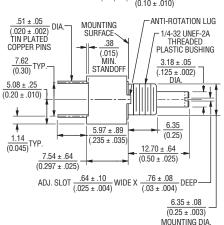
# 3310 - 9 mm Square Sealed Panel Control

#### BOURNS

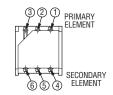
#### **Product Dimensions**

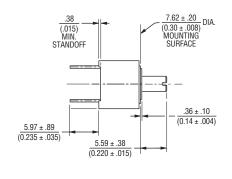
COMMON DIMENSIONS 3310<u>H</u>-003
Pot/Switch Dual Cup
Plastic Bushing



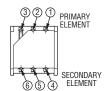


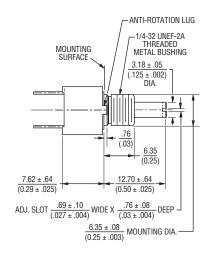
3310<u>H</u>-0<u>25</u>\* Pot/Pot Dual Cup Bushingless



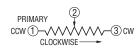


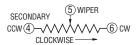
3310<u>H</u>-002 Pot/Pot Dual Cup Metal Bushing





#### Pot/Pot Dual Cup





DIMENSIONS: (I

MM (INCHES)

Pot/Switch Dual Cup

#### **Pot Single Cup**



NOTE: \* Only recommended shaft length for bushingless version

# **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

### Bourns:

3310H-025-10	4 3310H-125-102	2 3310Y-025-50	3310H-025-10	3310P-002-504	4 3310C-102-103	3 3310C-002-104
3310Y-102-103	3310Y-002-104	3310Y-002-105	3310C-002-103	3310Y-002-103	3310R-025-503	3310R-025-502
3310R-025-504	3310H-001-504	3310P-002-204	3310H-002-203	3310Y-111-204	3310Y-011-203	3310Y-011-254
3310Y-111-203	3310H-026-503	3310H-126-503	3310H-126-504	3310H-126-502	3310H-026-502	3310H-126-104
3310H-126-102	3310H-026-102	3310H-126-103	3310H-126-105	3310H-026-104	3310H-026-103	3310Y-001-503
3310Y-001-203	3310H-003-203	3310C-111-204	3310C-011-203	3310C-111-203	3310C-111-202	3310Y-001-103
3310Y-001-105	3310Y-101-102	3310P-001-502	3310P-101-502	3310Y-101-103	3310Y-001-102	3310P-001-504
3310Y-101-104	3310Y-001-104	3310P-001-503	3310H-113-103	3310H-113-104	3310H-013-103	3310H-113-102
3310H-013-104	3310P-012-503	3310P-112-502	3310H-014-102	3310Y-012-103	3310H-012-503	3310Y-112-103
3310H-014-103	3310H-114-103	3310H-003-503	3310H-011-102	3310P-011-105	3310Y-111-503	3310P-011-103
3310Y-011-503	3310P-111-102	3310Y-011-502	3310P-025-504	3310P-025-503	3310P-001-202	3310P-001-204
3310P-001-203	3310H-001-202	3310H-001-204	3310H-001-203	3310Y-125-104	3310Y-025-103	3310Y-125-103
3310Y-125-102	3310Y-025-102	3310H-025-503	3310H-25-102	3310H-013-504	3310C-001-504	3310C-001-502
3310C-101-503	3310R-101-102	3310H-112-104	3310Y-112-504	3310P-025-104	3310P-025-102	3310P-025-105
3310P-025-103	3310R-102-203					