



OTTO Mini-Trims are toggle switches available in 2-way, 4-way, 4-way plus pushbutton, and 8-way versions. Numerous button styles are available on both the Military and Commercial Grade switch versions. Mini-Trims are typically press-fit into control grips or panel mounted using versions with an 11/16" threaded case. Mini-Trims are also available with multiple sealing levels to fit all applications.

Standard Characteristics/Ratings: OPERATIONAL:

Circuit: Contact made in opposite direction of lever travel.

Electrical: 1 amp inductive @ 28VDC for 100,000 cycles.

Dielectric Withstand: 1050 Vrms

Temperature Range: -55°C to +85°C

Lever Travel: 15° max. from center off.

Actuating Force: 16 ± 8 oz.

Lever Pivot & Stop Strength: Switch is capable of withstanding a force of 20 lbs. applied to the actuating button. Button also withstands 15 lbs. minimum pull force.

Switch Body: Black thermoplastic.

Threaded Case: Black anodized aluminum.

Button: Thermoplastic.

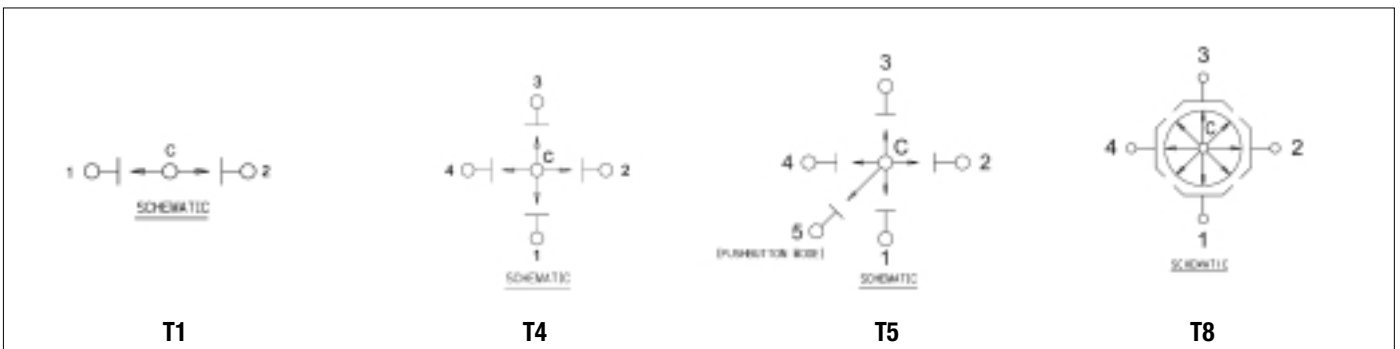
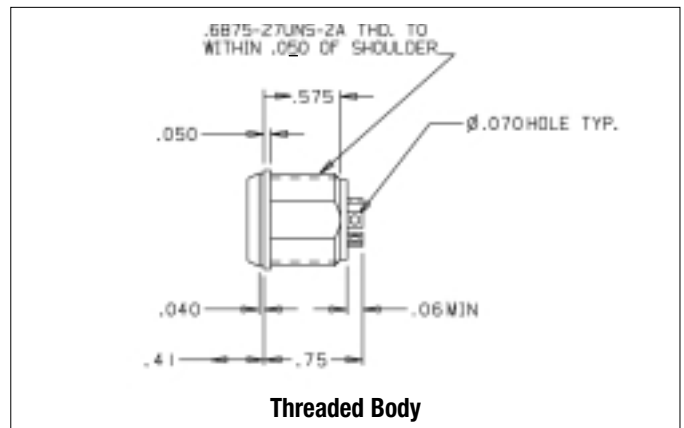
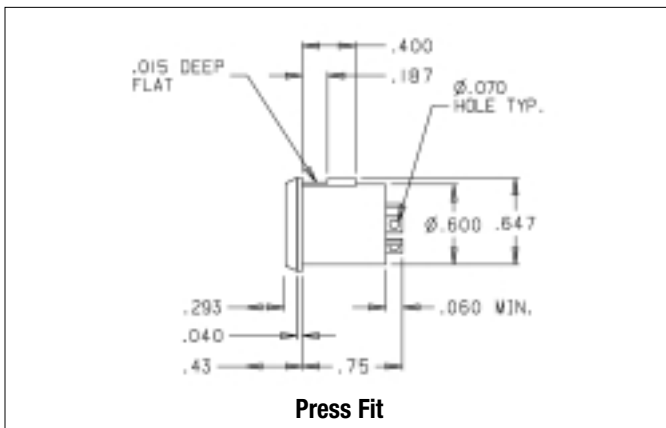
Bat Handles: Stainless steel.

Mounting Hardware for Threaded Case Versions:

Hex nut & internal tooth lockwasher.

Seal: Moistureproof and dusttight to IP64 and M8805 Design 2 or watertight to IP68.

Typical Dimensions



Mini-Trim Switches

T1
2-Way
Toggles

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches

PART NUMBER	BUTTON	CASE	SEAL	GRADE
T1-0178	Black 2-Way Jog	Press Fit	Dusttight & Moistureproof	Military
T1-0231	Black 2-Way Jog	Press Fit	Dusttight & Moistureproof	Commercial
T1-0076	Black 2-Way Jog	Threaded	Dusttight & Moistureproof	Military
T1-0167	Black 2-Way Jog	Threaded	Dusttight & Moistureproof	Commercial



T1-0078	Black Tall Jog	Press Fit	Dusttight & Moistureproof	Military
T1-0206	Gray Tall Jog	Press Fit	Dusttight & Moistureproof	Military



T1-0202	Black Rocker	Threaded	Dusttight & Moistureproof	Commercial
T1-0235	Red Rocker	Threaded	Dusttight & Moistureproof	Commercial



T4

4-Way
Toggles

Mini-Trim Switches

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches



PART NUMBER	BUTTON	CASE	SEAL	GRADE
T4-0026	Black Plain Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0077	Black Plain Hat	Press Fit	Watertight	Military
T4-0130	Black Plain Hat	Press Fit	Dusttight & Moistureproof	Commercial
T4-0032	Black Plain Hat	Threaded	Dusttight & Moistureproof	Military
T4-0107	Black Plain Hat	Threaded	Dusttight & Moistureproof	Commercial
T4-0169	Black Plain Hat	Threaded	Dusttight & Moistureproof	Commercial & LL



T4-0068	Black LRUD Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0096	Black LRUD Hat	Press Fit	Dusttight & Moistureproof	Commercial



T4-0013	Black IOUD Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0173	Gray IOUD Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0042	Black IOUD Hat	Press Fit	Resilient	Military (QPL M9419/2-003)

Mini-Trim Switches

T4
4-Way
Toggles

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches

PART NUMBER	BUTTON	CASE	SEAL	GRADE
T4-0020	Black Cone	Press Fit	Dusttight & Moistureproof	Military (QPL M9419/2-004)
T4-0046	Gray Cone	Press Fit	Dusttight & Moistureproof	Military
T4-0129	Black Cone	Press Fit	Dusttight & Moistureproof	Commercial
T4-0095	Black Cone	Threaded	Dusttight & Moistureproof	Military



T4-0015	Black Stadium	Press Fit	Dusttight & Moistureproof	Military (QPL M9419/2-001)
T4-0034	Gray Stadium	Press Fit	Dusttight & Moistureproof	Military
T4-0043	Black Stadium	Press Fit	Resilient	Military (QPL 9419/2-002)
T4-0165	Black Stadium	Press Fit	Dusttight & Moistureproof	Commercial
T4-0031	Black Stadium	Threaded	Dusttight & Moistureproof	Military
T4-0112	Black Stadium	Threaded	Watertight	Military
T4-0122	Black Stadium	Threaded	Dusttight & Moistureproof	Commercial



T4-0063	Black Castle	Press Fit	Dusttight & Moistureproof	Military
T4-0128	Black Castle	Press Fit	Dusttight & Moistureproof	Commercial
T4-0136	Gray Castle	Press Fit	Dusttight & Moistureproof	Military
T4-0109	Gray Castle	Press Fit	Dusttight & Moistureproof	Commercial
T4-0101	Black Castle	Threaded	Watertight	Military



T4-0045	Black 4-Way Jog	Press Fit	Dusttight & Moistureproof	Military
T4-0114	Black 4-Way Jog	Press Fit	Dusttight & Moistureproof	Commercial
T4-0108	Gray 4-Way Jog	Press Fit	Dusttight & Moistureproof	Commercial



T4

4-Way
Toggles

Mini-Trim Switches

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches



PART NUMBER	BUTTON	CASE	SEAL	GRADE
T4-0053	Short Bat	Press Fit	Dusttight & Moistureproof	Commercial
T4-0166	Short Bat	Threaded	Dusttight & Moistureproof	Commercial



T4-0033	Bat	Press Fit	Dusttight & Moistureproof	Military
T4-0041	Bat	Press Fit	Resilient	Military (QPL M9419/2-005)
T4-0093	Bat	Press Fit	Dusttight & Moistureproof	Commercial
T4-0049	Bat	Threaded	Dusttight & Moistureproof	Military
T4-0103	Bat	Threaded	Dusttight & Moistureproof	Commercial



T4-0157	Bat w/o Arrows	Press Fit	Dusttight & Moistureproof	Military
T4-0175	Bat w/o Arrows	Threaded	Dusttight & Moistureproof	Commercial



T4-0051	Square Post	Press Fit	Dusttight & Moistureproof	Military
T4-0078	Square Post	Press Fit	Dusttight & Moistureproof	Military (QPL M9419/2-006)
T4-0144	Square Post	Press Fit	Dusttight & Moistureproof	Commercial
T4-0092	Square Post	Threaded	Dusttight & Moistureproof	Military
T4-0153	Square Post	Threaded	Dusttight & Moistureproof	Commercial



T4-0160	4-40 Threaded Post	Press Fit	Dusttight & Moistureproof	Military
T4-0184	4-40 Threaded Post	Press Fit	Dusttight & Moistureproof	Commercial

Mini-Trim Switches

T5
4-Way Toggles
with Pushbutton

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches

PART NUMBER	BUTTON	CASE	SEAL	GRADE
T5-0041	Black Stadium	Press Fit	Dusttight & Moistureproof	Military
T5-0044	Black Stadium	Threaded	Dusttight & Moistureproof	Military
T5-0096	Black Stadium	Threaded	Dusttight & Moistureproof	Commercial



T5-0090	Black LRUD Hat	Press Fit	Dusttight & Moistureproof	Military
T5-0088	Black LRUD Hat	Threaded	Dusttight & Moistureproof	Military



T8

8-Way
Toggles

Mini-Trim Switches

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches



PART NUMBER	BUTTON	CASE	SEAL	GRADE
T8-0003	Black Plain Hat	Threaded	Dusttight & Moistureproof	Military



T8-0001	Stadium	Threaded	Dusttight & Moistureproof	Military
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T8-0005	Bat	Threaded	Dusttight & Moistureproof	Commercial
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MINI-TRIM SERIES CATALOG CODE

SERIES	GRADE	BUTTON STYLE	CASE STYLE	SEAL LEVEL	CURRENT RATING	BUTTON COLOR
T1- 2-Way	M. Military	A. 2-Way Jog	1. Press Fit	1. Dusttight and Moistureproof Per IP64	1. Standard	1. Red
T4- 4-Way	C. Commercial	B. Tall Jog	2. Threaded	2. Watertight Per IP68	2. Low Level	2. Black
T5- 4-Way Plus Center Pushbutton		C. Rocker				8. Gray
T8- 8-Way		D. Cone				N. Not Applicable Use When Specifying Button Styles L, M, N, & P.
		E. LRUD Hat				
		F. IOUD Hat				
		G. Hat				
		H. Stadium				
		J. Castle				
		K. 4-Way Jog				
		L. Short Bat				
		M. Bat				
		N. Post				
		P. 4-40 Threaded Post				

Consult Factory For Colors Not Listed.

Toggle Switches

T4

4-Way Toggles

Mini-Trim Switches

2-way, 4-way, 4-way plus pushbutton, and 8-way toggle switches

Part Number	Button	Case	Seal	Grade
T4-0026	Black Plain Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0077	Black Plain Hat	Press Fit	Watertight	Military
T4-0130	Black Plain Hat	Press Fit	Dusttight & Moistureproof	Commercial
T4-0032	Black Plain Hat	Threaded	Dusttight & Moistureproof	Military
T4-0107	Black Plain Hat	Threaded	Dusttight & Moistureproof	Commercial
T4-0169	Black Plain Hat	Threaded	Dusttight & Moistureproof	Commercial & LL



Part Number	Button	Case	Seal	Grade
T4-0068	Black LRUD Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0096	Black LRUD Hat	Press Fit	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0013	Black IOUD Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0173	Gray IOUD Hat	Press Fit	Dusttight & Moistureproof	Military
T4-0042	Black IOUD Hat	Press Fit	Resilient	Military (QPL M9419/2-003)



Part Number	Button	Case	Seal	Grade
T4-0020	Black Cone	Press Fit	Dusttight & Moistureproof	Military (QPL M9419/2-004)
T4-0046	Gray Cone	Press Fit	Dusttight & Moistureproof	Military
T4-0129	Black Cone	Press Fit	Dusttight & Moistureproof	Commercial
T4-0095	Black Cone	Threaded	Dusttight & Moistureproof	Military



Part Number	Button	Case	Seal	Grade
T4-0015	Black Stadium	Press Fit	Dusttight & Moistureproof	Military (QPL M9419/2-001)
T4-0034	Gray Stadium	Press Fit	Dusttight & Moistureproof	Military
T4-0043	Black Stadium	Press Fit	Resilient	Military (QPL 9419/2-002)

T4-0165	Black Stadium	Press Fit	Dusttight & Moistureproof	Commercial
T4-0031	Black Stadium	Threaded	Dusttight & Moistureproof	Military
T4-0112	Black Stadium	Threaded	Watertight	Military
T4-0122	Black Stadium	Threaded	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0063	Black Castle	Press Fit	Dusttight & Moistureproof	Military
T4-0128	Black Castle	Press Fit	Dusttight & Moistureproof	Commercial
T4-0136	Gray Castle	Press Fit	Dusttight & Moistureproof	Military
T4-0109	Gray Castle	Press Fit	Dusttight & Moistureproof	Commercial
T4-0101	Black Castle	Threaded	Watertight	Military



Part Number	Button	Case	Seal	Grade
T4-0045	Black 4-Way Jog	Press Fit	Dusttight & Moistureproof	Military
T4-0114	Black 4-Way Jog	Press Fit	Dusttight & Moistureproof	Commercial
T4-0108	Gray 4-Way Jog	Press Fit	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0053	Short Bat	Press Fit	Dusttight & Moistureproof	Commercial
T4-0166	Short Bat	Threaded	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0033	Bat	Press Fit	Dusttight & Moistureproof	Military
T4-0041	Bat	Press Fit	Resilient	Military (QPL M9419/2-005)
T4-0093	Bat	Press Fit	Dusttight & Moistureproof	Commercial
T4-0049	Bat	Threaded	Dusttight & Moistureproof	Military
T4-0103	Bat	Threaded	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0157	Bat w/o Arrows	Press Fit	Dusttight & Moistureproof	Military
T4-0175	Bat w/o Arrows	Threaded	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0051	Square Post	Press Fit	Dusttight & Moistureproof	Military
T4-0078	Square Post	Press Fit	Dusttight & Moistureproof	Military (QPL M9419/2-006)
T4-0144	Square Post	Press Fit	Dusttight & Moistureproof	Commercial
T4-0092	Square Post	Threaded	Dusttight & Moistureproof	Military
T4-0153	Square Post	Threaded	Dusttight & Moistureproof	Commercial



Part Number	Button	Case	Seal	Grade
T4-0160	4-40 Threaded Post	Press Fit	Dusttight & Moistureproof	Military
T4-0184	4-40 Threaded Post	Press Fit	Dusttight & Moistureproof	Commercial



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