Industrial Automation Catalog Section - U906

Switches & Pilot Devices

TWTD Series Oiltight Switches & Pilot Devices •Accessories •Nameplates •Dimensions •Instructions

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ilot Devices	TWTD Series: 1-13/64" (30mm)) idec
Accessories — TWTD S	Series	
ench used to tighten round bezel els, will not work with octagonal	s from the front of the panel. Units with round bezels.	OR-12
used to install LED's and incand	escent lamps.	OR-55
	Standard octagonal units (chrome-pl.).	0G-81
	Extended, non-illuminated (chrome-pl.).	0G-82
lacement locking ring/bezel	Extended, illuminated (chrome-pl.).	0G-83L
	Jumbo Mushroom Shallow Shroud	ABN4G
	Jumbo Mushroom Deep Shroud	ABN4F
ck plastic locking ring/bezel		OGP-11B
	In place of ①, specify neoprene Rubber Boot color: B (black), G (green), R (red), Y (yellow)	0C-11 ①
d to cover and protect push- ons.	Flush units (clear plastic -40° to +60°C).	0C-121
	Extended units (clear plastic -40° to +60°C).	0C-122

Locking Ring Wrench		Wrench used to tighten round bezels from the front of the panel. Units with round bezels, will not work with octagonal bezels.		
Lamp Removal Tool		Tool used to install LED's and incandescent lamps.		
			Standard octagonal units (chrome-pl.).	0G-81
			Extended, non-illuminated (chrome-pl.).	0G-82
Metal Bezel		Replacement locking ring/bezel	Extended, illuminated (chrome-pl.).	0G-83L
			Jumbo Mushroom Shallow Shroud	ABN4G
			Jumbo Mushroom Deep Shroud	ABN4F
Plastic Bezel	0	Black plastic locking ring/bezel		OGP-11B
			In place of ①, specify neoprene Rubber Boot color: B (black), G (green), R (red), Y (yellow)	0C-11 ①
Boot/Cover	0	Used to cover and protect push- buttons.	Flush units (clear plastic -40° to +60°C).	OC-121
			Extended units (clear plastic -40° to +60°C).	0C-122
	\frown	Plastic washer For nameplates or panels that show	ıld not be scratched	OGL-D1T
Anti-Rotation Ring	\bigcirc	Thrust washer/Anti-rotation ring fo	r use with notched panel cutout	0GL-D1S
			Plastic with locking nut attached.	0BP-11
Mounting Hole Plug		Plugs used to fill unused 30mm panel cutouts.	Metal with locking nut attached	0B-11
			Black rubber (-5° to +60°C)	0B-13
		Tab #250 17/64" x 3/64" (6.35mm x 0.	8mm): Single tab	TW-FA1
Terminal Tab Adaptor		Tab #110 1/8" x 3/64" (2.8mm x 0.8mi	n): Double tab	TW-FA2
		Tab #187 3/16" x 1/32" (4.75mm x 0.5	mm): Single tab	TW-FA3
Full Voltage Adaptor	16 11 p	Used on all full voltage illuminated units. Two required per unit. (M3.5 screw and saddle)		APD-F
Lock Out Adaptor		Used to provide lockout protection for TWTD pushbuttons and knob selectors. Ø 1-13/64" (30mm)		OL-KL1
Replacement Keys		Pair of Keys (#0)		TW-SK

Accessories con't

Part Numbers: Fingersafe Covers for TWTD Series

Appearance	Description	Used with	Part Number
	Fingersafe terminal cover, adds 3mm to overall depth	APO LED and incandescent full voltage pilot lights	APD-PVL
	Fingersafe terminal cover, adds 3mm to overall depth	Illuminated pushbutton switches: ALD, AOLD, ALGD, ALFD, AOLFD, and AVLD	N-VL2
	Fingersafe terminal cover, adds 1.5mm to overall depth	Tranformer/AC Adaptor pilot lights and illuminated units	N-VL3
	Fingersafe terminal cover, adds 4 mm to depth	Full voltage illuminated pushbuttons	N-VL4



Dimensions on page A-188.

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Nameplates — TWTD Series						
Part Numbers: Nameplat	tes					
		NALD	NAKD	NAQD		
Dimensions		1.56" (40mm) (uug: LP) (30.5mm) (30.5mm)	2.03" (52mm) (Uuug2) (30.5mm) (30.5mm)	1.95" (50mm) (Eug) (30.5mm) (30.5mm) 5mm		
Description		Part Number	Part Number	Part Number		
Namplate	Black	NALD-0B	NAKD-B	NAQD-B		
(blank)	Red	NALD-0R	NAKD-R	NAQD-R		
Namplate (engraved)		NALD-①	NAKD-①	NAQD-①		

1. Nameplates are made of 0.031" aluminum. Lettering is white letters engraved on black background.

2. In place of (1), insert either the standard legend code from table below or custom engraving delimited by "".

* Standard Legend Codes

	Pushb	uttons		Pushbu	uttons/Se	lector Switches		Selector Switches	S
Legend	Code	Legend	Code	Legend	Code	Legend	Code	Legend	Code
AUTO CLOSE DOWN *EMERG.STOP FAST FORWARD HAND HIGH IN INCH JOG LOW LOWER OFF ON	101 102 103 104 105 106 107 108 109 110 111 112 113 114 115	OPEN OUT RAISE RESET REVERSE RUN SLOW START *STOP STOP TEST UP I (Int'I On) O (Int'I Off) EMO	116 117 118 119 120 121 122 123 124 125 126 127 150 151 152	AUTO-MAN CLOSE-OPEN DOWN-UP FAST-SLOW FOR-REV HAND-AUTO HIGH-LOW JOG-RUN LEFT-RIGHT LOWER-RAISE MAN-AUTO OFF-ON ON-OFF OPEN-CLOSE RAISE-LOWER	201 202 203 204 205 206 207 208 209 210 211 212 213 214 215	REV-FOR RUN-JOG RUN-SAFE SAFE-RUN SLOW-FAST START-STOP STOP-START UP-DOWN	216 217 218 219 220 221 222 223	AUTO-MAN-OFF AUTO-OFF-MAN CLOSE-OFF-OPEN DOWN-OFF-SLOW FAST-OFF-SLOW FOR-OFF-REV LEFT-OFF-RIGHT LOWER-OFF-RAISE OFF-MAN-AUTO OFF-SLOW-FAST OFF-1-2 OPEN-OFF-CLOSE SLOW-OFF-FAST SUMMER-OFF-WINTER UP-OFF-DOWN 1-OFF-2 HAND-OFF-AUTO	301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317



1. *Available in Red as standard legend code 104 and 124. To order engraved nameplate and codes, add legend code to nameplate part number. Character height based on the number of characters, space and size of nameplate. Standard character size is 3/16".

2. Nameplates with standard legends are the same list price as blank nameplates. Special engravings, additional cost.

To specify engraving instructions, use the Nameplate order form on next page.

idec Oiltight Switches and Pilot Devices TWTD Series: 1-13/64" (30mm

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	Namep	plates Order Form — TW	TD Series	
Copy this order form and use it To insure engraving accuracy, f	to specify Letter Height, Custom fax it to your IDEC representative	n Engravings, Location of Engra e.	aving on Nameplate, and Quantity Desired.	
Your Company Name:	Your Company Name: IDEC Reperesentative(if known):			
Your Name:		PO number (if known):		
Telephone:				
NALD Nameplate				
Step 1. Specify letter height and c	ustom engraving.		tep 2. Specify location of engraving on IWAL namePlate.	Step 3. Specify Quantity.

Specity letter neight and custom engraving.	NWAL namePlate.	Specify Quantity.
Maximum of 2 lines of engraving.		Enter the number of
1/8" SAMPLE LETTERING Size (13 characters maximum per line)		nameplates desired with the specifica- tions defined to the left.
7/64" SAMPLE LETTERING (13 characters maximum)		

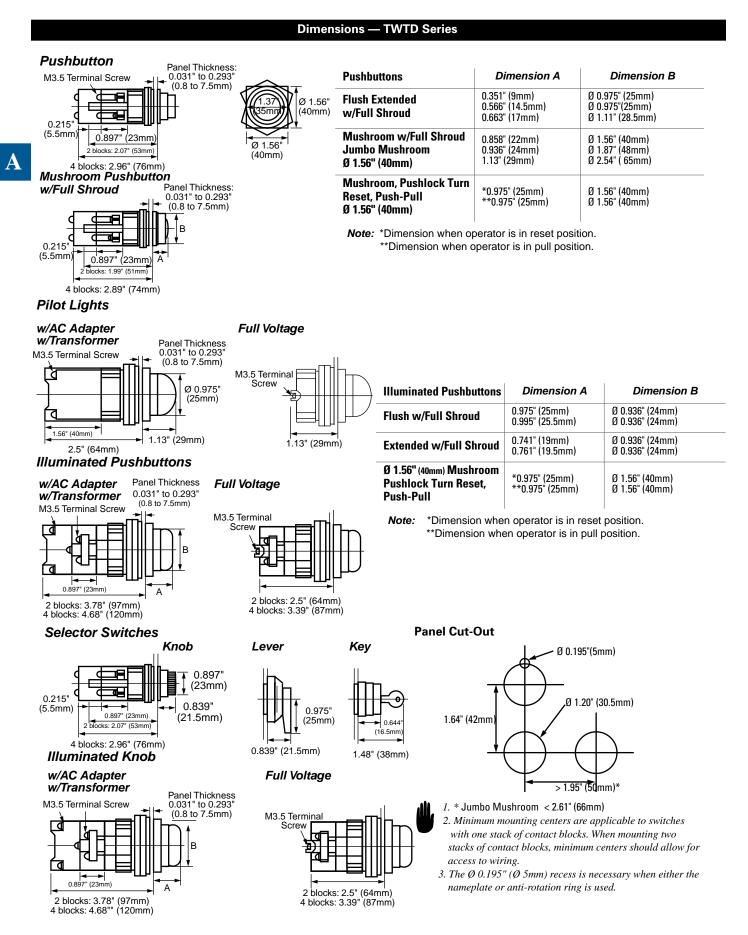
NAKD Nameplate

Step 1.	Step 2. Specify location of engraving on	Step 3.
Specify letter height and custom engraving.	NWAQL namePlate.	Specify Quantity.
Maximum of 4 lines of engraving. 1/8" SAMPLE LETTERING Size (16 characters maximum per line) — — — — — — — — — — — — — — — — — — —		Enter the number of nameplates desired with the specifica- tions defined to the left.

NAQD Nameplate

Step 1. Specify letter height and custom engraving.	Step 2. Specify location of engraving on NAQD nameplate.	Step 3. Specify Quantity.
Maximum of 2 lines of engraving.		Enter the number of
1/8" SAMPLE LETTERING Size (15 characters maximum)		nameplates desired with the specifica- tions defined to the left.
7/64" SAMPLE LETTERING (16 characters maximum)		

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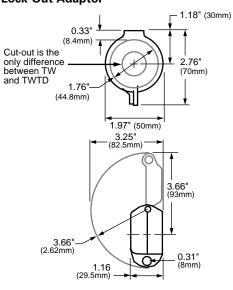


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Dimensions — TWTD Series con't

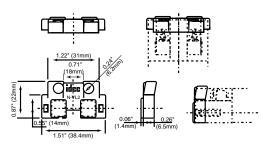
Accessory Dimensions

OL-KL1 Lock-Out Adaptor

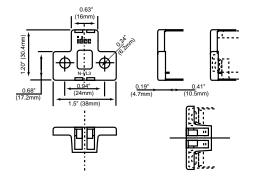


Finger-Safe Cover

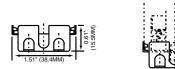
N-VL2

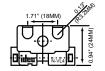


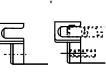
N-VL3



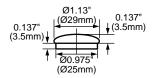
N-VL4



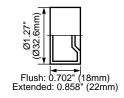




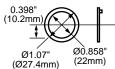
OB-31 Mounting Hole Rubber Plug

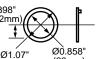


OC-31 **Pushbutton Clear Boot**

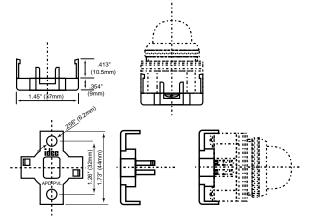


OGL-31 **Anti-Rotation Ring**





APD-PVL



www.idec.com

USA: (800) 262-IDEC or (408) 747-0550, Canada (888) 317-IDEC



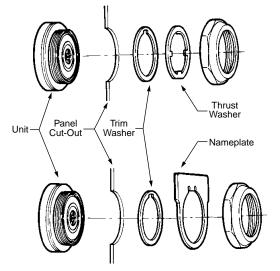
Instructions — TWTD Series

Adjustment for Panel Thickness

Each unit is shipped with several waterproof gaskets which are 0.06" (1.5mm) and 0.12" (3mm) thick. Combine the gaskets for a dimension approximately equal to panel thickness and install between the bezel and the body of the unit.

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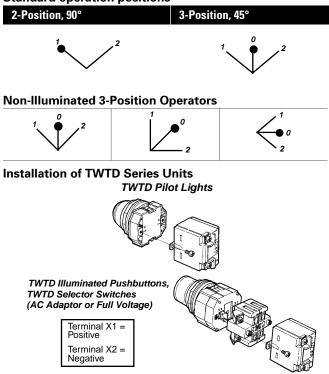
A trim washer must be used with a thrust washer or a nameplate to prevent the control unit from rotating in the mounting hole. When using anti-rotation rings (trim washer with thrust washer or nameplate), install as shown below.



Selector Switches

The operator shaft of each unit has a recess to identify in which direction to install the handle. Align the handle with the recess. Press color insert (TW-HC1) into the Standard Operating Positions.

Standard operation positions



Installation of LED Illuminated Units—AC adaptor units are recommended for use in areas subjected to inductive noise. When using full voltage types, install a protection diode as shown below. Use diode with AC power supply to protect against reverse polarity. Use with DC power supply to protect against surges and noise.



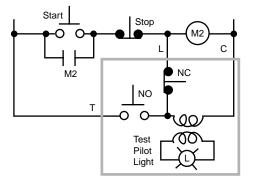


Make sure that LED illuminated units are installed with correct polarity, as indicated at the terminals.

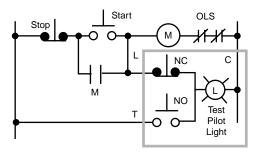
Application Example For Push-To-Test Pilot Light

A typical application of illuminated pushbuttons is a push-to-test pilot light which can be used to check the lamp/LED circuit.

Transformer/AC-Adapter Circuit



Full Voltage Circuit



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