

(



(

DODI

ht

•

(2)

•

۲

(

Π

11

0

(8)

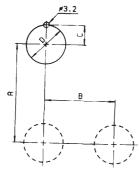
69



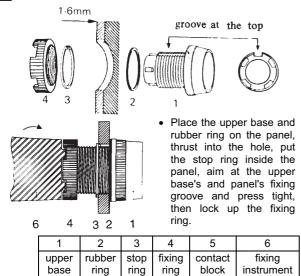
## Ø22 / Ø25 / Ø30 SERIES CONTROL COMPONENTS

The upper base and contact block of this series of control components are detachable. IP65 (IEC144), the protection structure for this series except Twin-Touch push button (IP40), makes the components waterproof, oiltight, dustproof and suitable for use in worse environment.





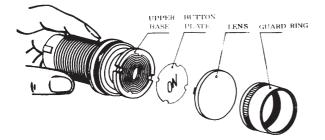
#### MOUNTING METHOD



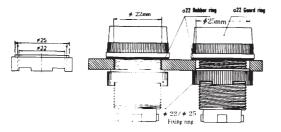
#### Indication of letters and symbols Transparent printing paper (types: see p. 20)

ring

base



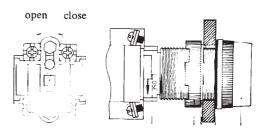
ø22mm/ø25mm series are of same dimension and with common fixing ring.



#### DIMENSIONS

	DINILINGIONS			
Seri	ies	Ø22	Ø25	Ø30
С		11.1	12.7	15.2
D		22.2	25.5	30.5
	Standard spacing (Round type, Square type)	45 min.	45 min.	45 min.
А	Lever operator selector	50	50	50
	Twin-Touch push button	59	59	59
	Metal plate	45	45	50
	Standard spacing (Round type, Square type)	30	30	40
	Lever operator selector	45	45	50
В	Twin-Touch push button	36	36	36
	Metal plate	31	31	40
	037 Mushroom	38	38	40

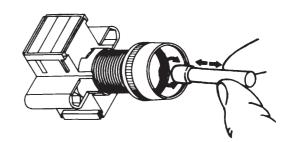
#### CONTACT BLOCK'S ASSEMBLY AND DISASSEMBLY



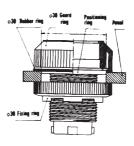
• Put the contact block in the corresponding positions, one large the other small, on the upper base after the latter's fixed. Turn in the arrowed direction of "Close" and it's fixed. In disassembling, just turn in the arrowed direction of "Open".

#### Method to replace lamp

Put the fixing-disassembling tool into the lamp, turn clockwise and the lamp is fixed. counter-clockwise, the lamp is disassemblinged.



The assembly method for ø30mm series



#### CONTACT RATING

AC	Inductive load	AC125V	AC250V	AC440V	AC600V		Inductive load	DC125V	DC250V	DC380V
		6A	4A	2A	1A	DC		0.5A	0.2A	0.1A
	Resistive load	10A	6A	4A	1.5 A		Resistive load	2A	0.6A	0.2A

#### CHARACTERISTICS

Ambient temperature	-20°C~+60°C			
Humidity	45 ~ 85% RH			
Contact resistance	50mΩ max. (initial value)			
Insulation resistance	100mΩ min. (at 500 VDC)			
Dielectric strength	2500VAC, 50/60HZ for 1 minute			
Service' life	Mechanically	Push Button/Illuminated Push Button (Momentary) 3,000,000, Others 500,000		
Service lile	Electrically	Electrically 500,000 operations		

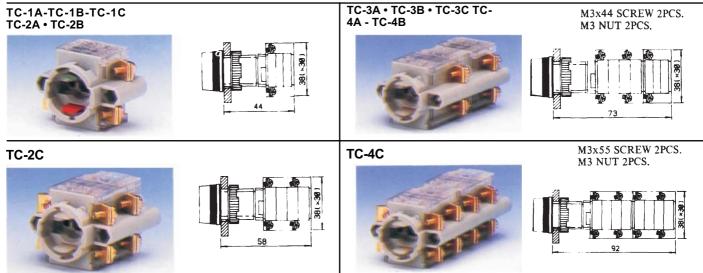
#### STANDARD CONTACT BLOCKS

Туре	TC-1A	TC-1B	TC-1C	TC-2A	TC-2B	TC-2C
Contact	1a	1b	1a1b	2a	2b	2a2b
Contact Arrangement	0 0 23 24	12 11 0 0			12 11 21 22 0 0 0 0	12 11 22 0 0 13 23 24
Туре	TC-3A	TC-3B	TC-3C	TC-4A	TC-4B	TC-4C
Contact	3a	3b	3a3b	4a	4b	4a4b
Contact Arrangement	Q Q Q Q 14 13 23 24 Q Q Q 23 24		200 200 100 100 100 100 100 100 100 100			22 21 21 21 0 22 0 22 0 22 0 22 0 24 0 24 24 0 14 0 14 15 15 15 15 15 15 15 15 15 15

#### ■ STANDARD TYPES OF CONTACT BLOCK AND ASSEMBLY METHOD.

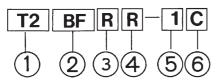
Short contact block is available in 1a, 1b, 1a1b, 2a, and 2b. The contact may be increased to 2a2b by replacing the short block with the long one. If more contacts are needed, just add the short one to the long one (The short one is not designed for being added by other block at its rear end). 3a, 3b, 3a3b, 4a, and 4b will be available with one-long-one-short blocks. By replacing the short block with another long one and becoming two-long blocks, 4a4b will be obtainable.

#### STANDARD CONTACT BLOCKS DIMENSIONS



The contact block of this series of switches is standard. See page 2 for types, drawing of contacts and assembly dimension.

#### MODEL DESIGNATION



Designation	Signal	Description
1. Mounting Hole	T2 T3	Ø22mm/Ø25mm Ø30mm
2. Type	BF BL BM BA BB BK BT PB	Flat Head Long Head Mushroom Head Long Head (Alternate) Mushroom Head (Alternate) Push-Lock Twin-Touch Simple

Designation	Signal	Description
3. Shape	R S L	Round Square Rectangular
4. Lens Color	R G Y W B BL	Red Green Yellow White Black Blue
5. No. of Contact Blocks Fitted	1-4	1-4
6. Type of Contact Blocks fitted	A B C	1a 1b 1a1b

1. The upper base and contact block in simple type are of one unit, available with 1a1b contact, Ø22mm/Ø25mm fixing hole, round type only.

2. The mounting holes of square series are Ø22mm/Ø25mm available.

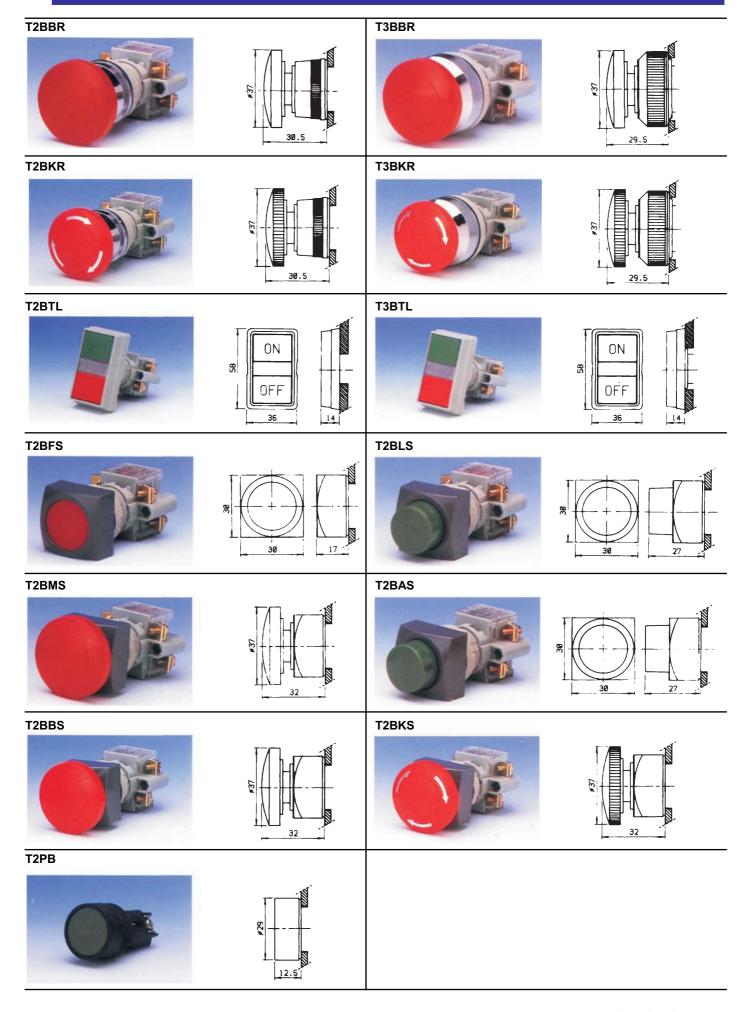
3. Twin-Touch Push Button is available with rectangular shape.

#### OPERATING HEADS DIMENSIONS

T2BFR	T3BFR	98 14.5-
T2BLR	T3BLR	25.5
T2BMR	T3BMR	5 <u>29.5</u>
T2BAR	T3BAR	90 25.5

# PUSH BUTTON SWITCH (Ø22 / Ø25 / Ø30)

#### IEC144 IP65



4

Ţ

1

#### BULB TYPE AND CHARACTERISTICS BA9S - 11 X28mm - 1.2 W max.

#### NEON BULB



Туре	Voltage	Lamp Color	Lens Color
TS9-1R	110VAC	Red	
TS9-1G	TIUVAC	Green	Red lamps for use
TS9-2R	220VAC	Red	with red, orange,
TS9-2G	ZZUVAC	Green	white lens.
TS9-3R	3 80 VAC	Red	Green lamps for
TS9-3G	3 60 VAC	Green	use with green,
TS9-4R		Red	blue lens.
TS94G	440VAC	Green	

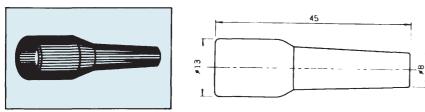
#### • FILAMENT BULB



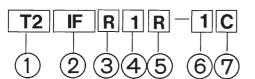
Туре	Voltage
TS9-5	6V
TS9-6	18V
TS9-7	24V
TS9-8	30V
TS9-9	12V

#### BULB EXTRACTOR

#### T2-A



#### MODEL DESIGNATION



Designation	Signal	Description
1. Mounting Hole	T2 T3	Ø22mm/Ø25mm Ø30mm
2. Type	IF IL IM IA IB IK IT	Flat Head Long Head Mushroom Head Long Head (Alternate) Mushroom Head (Alternate) Push-Lock Twin-Touch
3. Shape	R S L	Round Square Rectangular

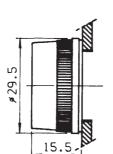
1. The mounting holes of square series are Ø22mm/ Ø25mm available.

2. Twin-Touch illuminated push button is available with rectangular shape, various colors, and transparent.

### OPERATING HEAD DIMENSIONS

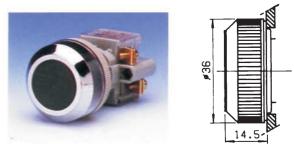
#### T2IFR





Designation	Signal	Description
4. Voltage	1 2 3 4 5 6 7 8 9	110VAC       (Neon Bulb)         220 "       (")         380 "       (")         440 "       (")         6V "       (Filament Bulb)         18V "       (")         24V "       (")         30V "       (")         12V "       (")
5. Lens Color	R G O W BL	Red Green Orange White Blue
6. No. of Contact Blocks Fitted	1-3	1-3
7. Type of Contact Blocks Fitted	A B C	1a 1b 1a 1b

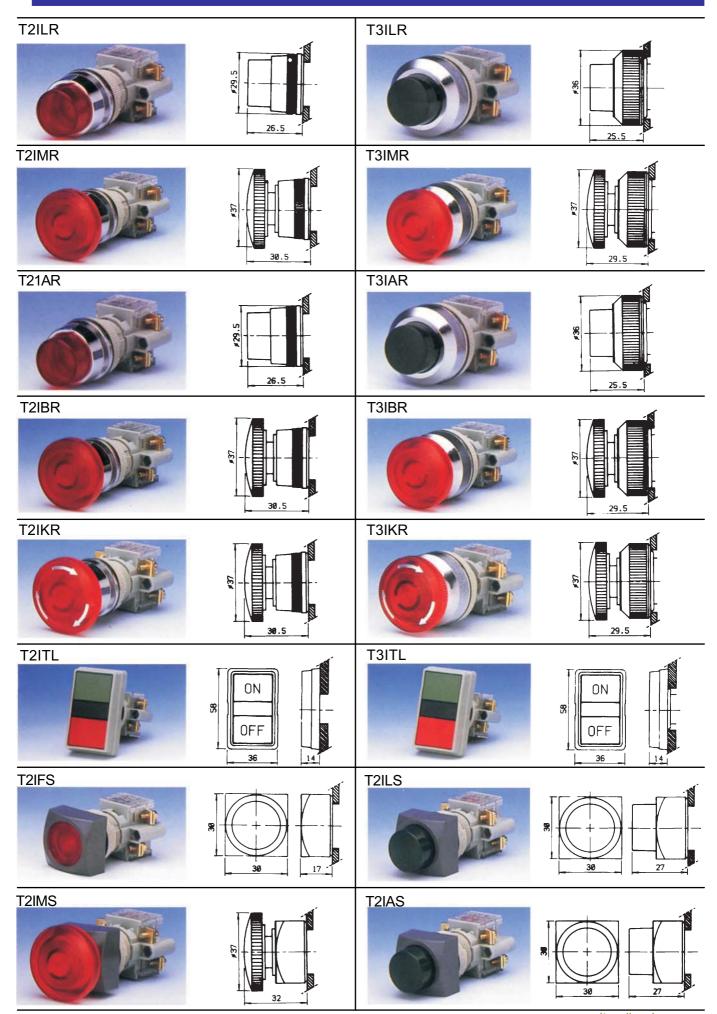
### T3IFR



www.eltronika.pl	
info@eltronika.pl	

# ILLUMINATED PUSH BUTTON (

Ø22 / Ø25 / Ø30 DIRECT POWER



www.eltronika.pl info@eltronika.pl

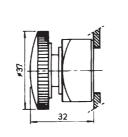
## ILLUMINATED PUSH BUTTON (

Ø22 / Ø25 / Ø30 DIRECT POWER

#### IEC144 IP65

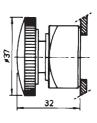
T2IBS





T2IKS



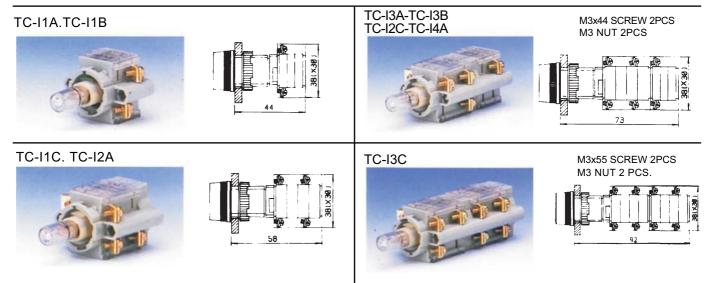


#### ILLUMINATED PUSH BUTTON (DIRECT POWER) CONTACT BLOCKS TC-I1B TC-I1C Type TC-I1A TC-I 2A 1b Contact 1a 1a1b 2a Ø R 8 R Contact 18 1 19 18 12 11 Arrangement Хl 0 013 24 014 0 0 13 23 24 23 TC-I2C TC-I3A TC-I3B TC-I4A TC-I3C Туре Contact 2a2b 3a 3b 4a 3a3b $\otimes$ $\otimes$ $\otimes$ $\otimes$ Ø, 생 X 찡 Contact Arrangement 0 0 14 13 O 23 24 C 2: 0 53 G. ₹ 3 O 23 24 023 0 O O 14 13 27 24 0 2.9 14 골

#### ■ TYPES OF ILLUMINATED (DIRECT POWER) CONTACT BLOCK AND ASSEMBLY METHOD.

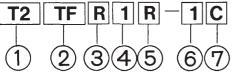
Short contact block is available in 1a, 1b. Long contact block is available in 1a1b, 2a. If more contacts are needed, just add the short one to the long one (The short one is not designed for being added by other block at its rear end). 2b, 2a2b, 3a, 3b, 4a, will be available with one-long-one-short blocks. By replacing the short block with another long one and becoming two-long blocks, 3a3b will be obtainable.

#### ■ ILLUMINATED PUSH BUTTON (DIRECT POWER) CONTACT BLOCKS DIMENSIONS



This series of switches are equipped with transformers at the secondary voltage of 5V and TS9-5(6V) bulb used.

#### MODEL DESIGNATION



Designation	Signal	Description
1. Mounting Hole	T2 T3	Ø22mm/Ø25mm Ø30mm
2. Type	IF IL IM IA IB IK IT	Flat Head Long Head Mushroom Head Long Head (Alternate) Mushroom Head (Alternate) Push-Lock Twin-Touch
3. Shape	R S L	Round Square Rectangular

Designation	Signal	Description
4. Voltage (50HZ~60HZ)	1 2	110/5VAC 220/5VAC
5. Lens Color	R G 0 W BL	Red Green Orange White Blue
6. No. of Contact Blocks Fitted	1-2	1-2
7. Type of Contact Blocks Fitted	A B C	1a 1b 1a1b

1. The mounting holes of square series are  $\ensuremath{\textit{\sc 022mm}}\xspace$  /  $\ensuremath{\sc 022mm}\xspace$  /  $\ensuremath{\sc 022mm}\xspace$ 

2. Twin-Touch illuminated push button is available with rectangular shape, various colors, and transparent.

3. The voltages of illuminated push button are 110/5 VAC and 220/5VAC.

#### ■ TYPES OF ILLUMINATED CONTACT BLOCK AND ASSEMBLY METHOD.

Long or short contact block is same as standard one. After disassembling the transformer base, the assembly method of contact block is same as that of standard type. See p. 2.

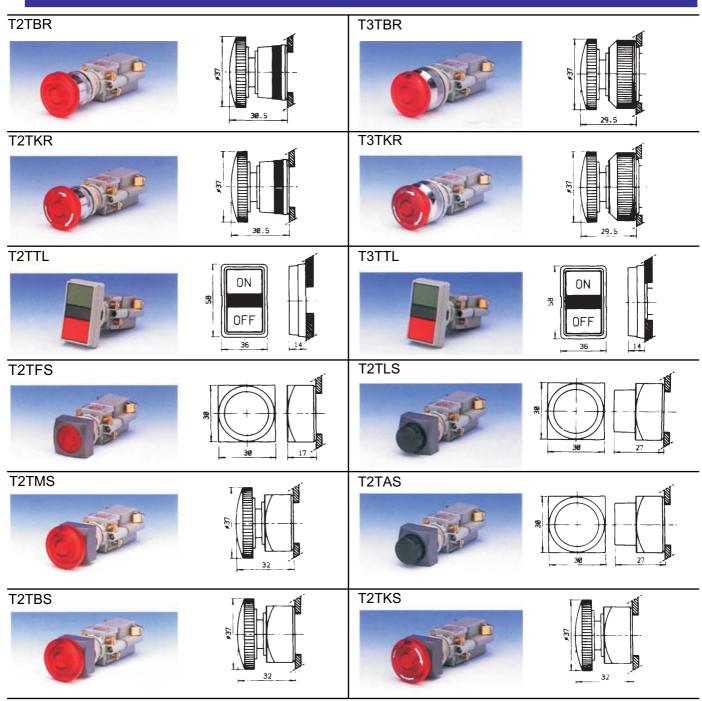
#### OPERATING HEADS DIMENSIONS

T2TFR	T3TFR	90 14.5-
T2TLR	T3TLR	90 25.5
T2TMR	T3TMR	29.5
T2TAR	T3TAR	25.5 -

www.eltronika.pl info@eltronika.pl

## ILLUMINATED PUSH BUTTON (

Ø22 / Ø25 / Ø30 WITH TRANSFORMER



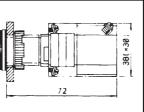
#### ■ ILLUMINATED PUSH BUTTON CONTACT BLOCKS (WITH TRANSFORMER) DIMENSIONS

Туре	TC-T1A	TC-T1B	TC-T1C	TC-T2A	TC-T2B	TC-T2C
Contact	1a	1b	1a1b	2a	2b	2a2b
Contact Arrangement	x 51 x 52				् ्र ×्ः ×०₂ ह.ह 818	

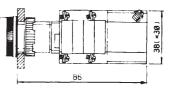
#### ■ ILLUMINATED PUSH BUTTON CONTACT BLOCKS (WITH TRANSFORMER) DIMENSIONS

TC-T1ATC-T1B TC-T1C TC-T2A TC-T2B









# SELECTOR SWITCH ( Ø22 / Ø25 / Ø30 )

The contact block of this series of switches is standard. See page 2 for assembly dimension.

MODEL DESIGNATIONS						
T2 S	S	R	1   1   R - 1   C			
	2)(	 3)(-	456 78			
Designation	Sig	nal	Description			
1 . Mounting Hole		2 3	Ø22mm/Ø25mm Ø30mm			
2. Туре	-	S H S	Knob Operator Lever Operator Key Operator			
3. Shape	-	R Round S Square				
	1		45° 2-Position			
	2		90° 2-Position			
	3		45° 2-Position Spring return from right			
4. Positions	4		45°x2 3-Position			
	5		45 x2 3-Position Spring return from right			
	6		45°x2 3-Position Spring return from left			
	7		45°x2 3-Position 2-Way spring return			

Designation		Signal	Description	
	1		0.1 Key withdrawable	
	2		0 Key withdrawable	
5. Key	3	2-Position	1 Key withdrawable	
Withdrawable	4		0.1.2 Key withdrawable	
	5	3-Position	0 Key withdrawable	
		R	Red	
6. Lens Color	G		Green	
		В	Black	
7. No. of Contacts Fitted	1-4		1-4	
		2-Position	3-Position	
8. Type of Contact	8. Type of Contact		-	
Blocks Fitted	B C	1b	-	
	C	1a1b	1a 0 1a	

#### OPERATING HEADS DIMENSIONS

T2SSR	3SSR
T2SHR	3SHR
T2KSR	3KSR
T2SSS	2SHS

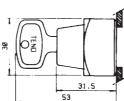
www.eitronika.pl info@eltronika.pl

## **SELECTOR SWITCH (**

Ø22 / Ø25 / Ø30 **DIRECT POWER** 

T2KSS





#### SELECTOR SWITCH 2-POSITION CONTACT ARRANGEMENT

Туре	Т	C-1A	TC-1B	TC-1C2	TC-2	Ą	TC-2B	TC-2C2
Contact		1a	1b	1a1b	2a		2b	2a2b
Contact	_	0 0 0 23 24			0 0 0 14 13 23	0	12 11 21 22 0 10 0 12 0 10 0	12 11 21 22 0 0 0 0 0 0 0 14 13 23 24
Arrangement	Conta 23-2		Contact         0         1           11-12         x	Contact         0         1           11-12         X	Contact         (           13-14         23-24	0 1 x x	Contact         0         1           11-12         x	Contact         0         1           11-12         x         1           13-14         x         2           21-22         X         2           23-24         x         1
		Туре		TC-1C3			TC-2C3	3
SWITCH 3-POSITIO		Contact		1a 0 1a			2a 0 2a	3
CONTACT ARRANGE MENT	•	Contact Arrangeme	ht C C C	Contact 13-14 23-24	1 0 2 x		0 0 0 0 14 13 23 24 0 0 0 0 14 13 23 24	Contact         1         0         2           13-14         x
ILLUMINATED SELECTOR SWITCH ( <sup>Ø22 / Ø25 / Ø30</sup> DIRECT POWER ) IEC14								

1||C

The contact block of this series of switches is illuminated type. See page 2 for assembly dimension.

3 4

The type and specification of bulb used are same as those for direct type illuminated push button switch. See p. 5.

5 6

1 | R

#### MODEL **T2** | IS || R || 1 || DESIGNATION 2

		$\sim$			
Designation	Sig	Inal	Description		
1. Mounting Hole	T: T:		Ø22mm/Ø25mm Ø30mm		
2. Туре		S H	Knob Operator Lever Operator		
3. Shape		२ ३	Round Square		
	1	°	45° 2-Position		
	2	•	<sup>1</sup> 90° 2-Position		
	3	$^{\circ}$	1 45° 2-Position Spring return from right		
4. Positions	4		<sup>2</sup> 45°x2 3-Position		
	5		<ul> <li>45°x2 3-Position</li> <li>Spring return from right</li> </ul>		
	6		<ul> <li><sup>?</sup> 45°x2 3-Position Spring return from left</li> </ul>		
	7		2 45°x2 3-Position 2-Way spring return		

Designation	Signal	Descr	iption
5. Voltage	1 2 3 4 5 6 7 8 9	220 " ( 380 " ( 440 " (	on Bulb) ") ") ment Bulb) ") ") ") ")
6. Lans Color	R G O W BL	Red Green Orange White Blue	
7. No. of Contact Blocks Fitted	1-3		1-3
8. Type of Contact Blocks Fitted	A B C	2-Position 1a 1b 1a1b	3-Position 1a 0 1a

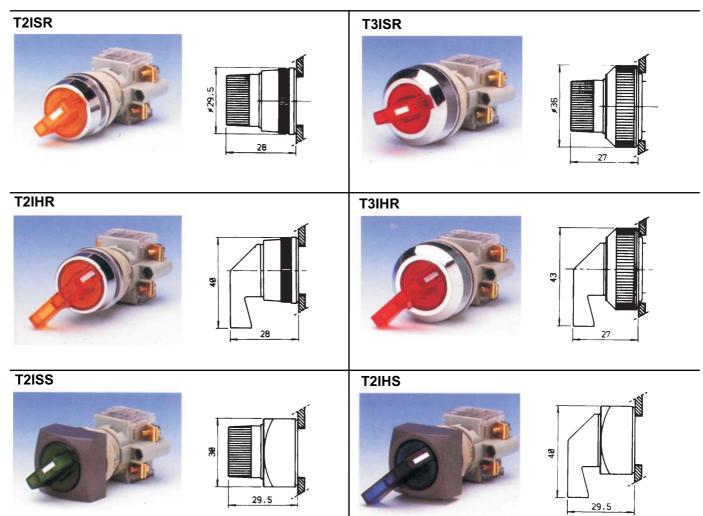
• The mounting holes of square series are Ø22mm/Ø25mm available.

## ILLUMINATED SELECTOR SWITCH (

Ø22 / Ø25 / Ø30 DIRECT POWER

)

#### ■ OPERATING HEADS DIMENSIONS



#### ■ ILLUMINATED SELECTOR SWITCH (DIRECT POWER) 2-POSITION CONTACT ARRANGEMENT

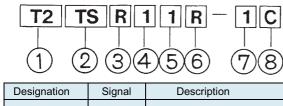
Туре	TC-I1A	TC-I1B	TC 11C2	TC-I2A	TC-I2B	TC-I2C2
Contact	1a	1b	1a1b	2a	2b	2a2b
Contact Arrangement	Contact 0 1 13-14 x	Contact 0 1 11-12 x	$\begin{array}{c c} & & & \\ & & & \\ & & & \\ \hline & & & \\ & & & \\ \hline \\ \hline$	X         X           0         0         0           14         13         23         24           Contact         0         1         1           13-14         X         2         2           23-24         X         X	Contact 0 1 11-12 x 21-22 x	Xi         Xi           Xi         <

#### ■ ILLUMINATED SELECTOR SWITCH (DIRECT POWER) 3-POSITION CONTACT ARRANGEMENT

Туре	TC-I1C3	TC-I2C3
Contact	1a 0 1a	2a 0 2a
Contact Arrangement	x1 x2	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

The contact block of this series of switches is standard. See page 2 for assembly dimension. This series of switches are equipped with transformers at the secondary voltage of 5V and TS9-5 (6V) bulb used. See p. 5.

#### MODEL DESIGNATION

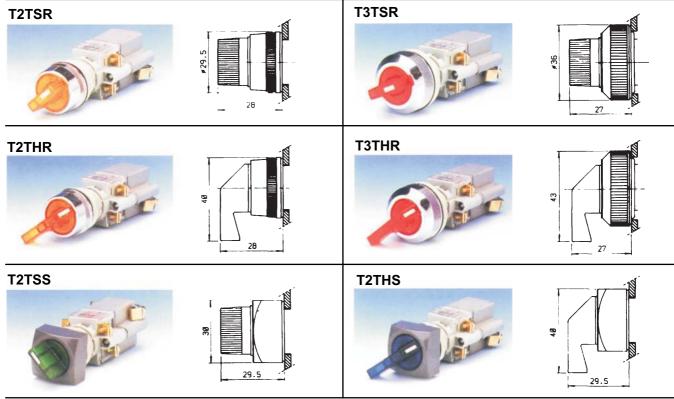


Designation	oig	iiai	Description
1. Mounting Hole	T: T:		Ø22mm/Ø25mm Ø30mm
2. Туре	T: TI	-	Knob Operator Lever Operator
3. Shape	F S	-	Round Square
	1	$\bigvee^{0  1}$	45° 2-Position
	2 0 1	90° 2-Position	
	3		45° 2-Position Spring return from right
4. Positions	4	$\overset{1  0}{\searrow}$	<sup>2</sup> /45°x2 3-Position
	5		<ul> <li><sup>2</sup> 45 x2 3 Position Spring</li> <li>return from right</li> </ul>
	6		<ul> <li><sup>2</sup> 45°x2 3-Position Spring</li> <li>/ return from left</li> </ul>
	7		<sup>2</sup> 45°x2 3-Position 2-Way spring return

OPERATING HEADS DIMENSIONS

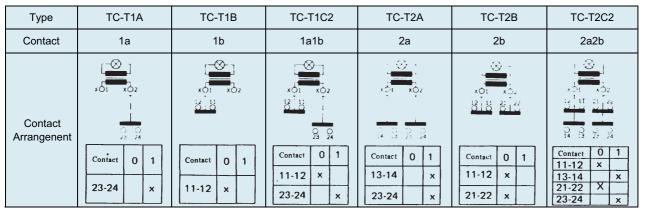
Designation	Signal	Desription	
5. Voltage (50- 60HZ)	1 2	110/5 VAC 220/5 VAC	
<ol> <li>Lens color</li> <li>No. of Contact</li> </ol>	R G 0 W BL	Red Green Orange White Blue	
Blocks Fitted	1-2	1-2	
8. Type of Contact Blocks Fitted	A B C	2-Position 1a 1b 1a1b	3-Position - - 1a 0 1a

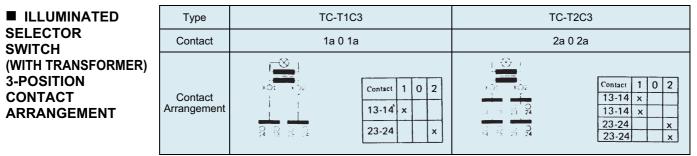
The mounting holes of square series are 022mm/025mm available.



13

#### ILLUMINATED SELECTOR SWITCH (TRANSFORMER) 2 POSITION CONTACT ARRANGEMENT

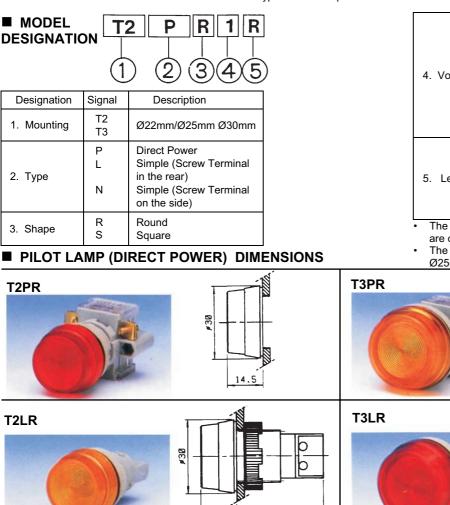




## PILOT LAMP ( Ø22/Ø25/Ø30 DIRECT POWER )

**IEC144 IP65** 

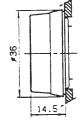
This series of bulbs used are same as those for direct type illuminated push button switch. See p. 5.

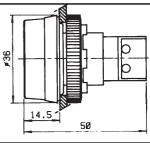


4. Voltage	1 2 3 4 5 6 7 8 9	110VAC 220VAC 380VAC 440VAC 6V 18V 24V 30V 12V	(Neon Bulb) ( " ) ( " ) (Filament Bulb) ( " ) ( " ) ( " ) ( " )
5. Lens Color	R G O W BL	Red Green Blue	n Orange White

• The upper and lower bases of simple type pilot lamp are one unit and undetachable.

The mounting holes of square series are Ø22mm/ Ø25mm available.



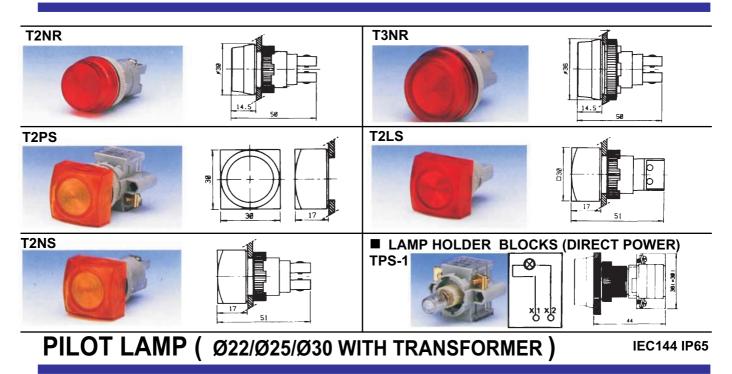


www.eltronika.pl info@eltronika.pl

50

## PILOT LAMP ( Ø22/Ø25/Ø30 DIRECT POWER )

**IEC144 IP65** 



This series of pilot lamps are equipped with transformers at the secondary voltage of 5V and TS9-5(6V) bulb used. See p. 5.

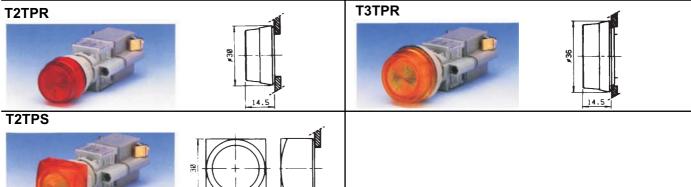
# MODEL DESIGNATIONS T2 TP R I R 1 2 3 4 5 Designation Signal Description

Designation	Signal	Description
1. Mounting Hole	T2 T3	Ø22mm/Ø25mm Ø30mm
2. Type	TP	With Transformer
3. Shape	R S	Round Square

Designation	Signal	Description
4. Voltage (50-60Hz)	1 2	110/5VAC 220/5VAC
5. Lens Color	R G 0 W BL	Red Green Orange White Blue
The mounting holes of	of square s	eries are Ø22mm/

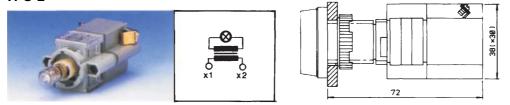
The mounting holes of square series are Ø22mm/ Ø25mm available.

#### ■ PILOT LAMP DIMENSIONS



### ■ LAMP HOLDER BLOCKS (WITH TRANSFORMER)

## TPS-2



## KEY OPERATED PUSH BUTTON SWITCH (Ø22/Ø25/Ø30) IEC144 IP65

The contact block of this series of switches is standard. See page 2 for types, drawing of contacts and assembly dimension.

#### MODEL DESIGNATION

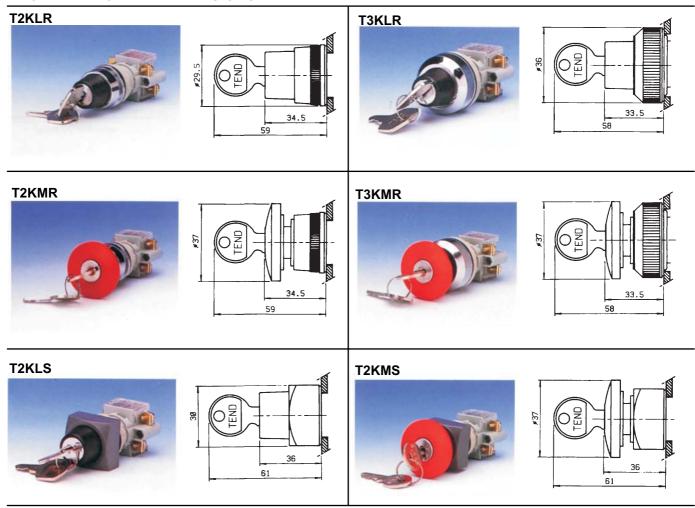
	<b>R</b> 1 34	T $T$ $T$	
Designation Signal Description			
1 . Mounting Hole	T2 T3	Ø22mm/Ø25mm Ø30mm	
2. Туре	KL KM	Long Head Mushroom Head	
3. Shape	R S	Round Square	

Designation	Signal	Description
		1 . Key Return Type
	1	<ol> <li>It can't be pressed down when it's in still.</li> <li>It will become return type push button after being pressed down when the key is turned right.</li> </ol>
		2. Key Chain Type
	2	<ol> <li>Press it down when it's in still and it'll become chain type push button.</li> <li>It will return after being pressed down when the key is turned right.</li> </ol>
4. Movement Way		3. Key Fixing Type
	3	<ol> <li>It can't be pressed down when it's in still.</li> <li>It can be pressed down when the key is turned right. It will be further fixed after the key is turned left.</li> <li>It will return when the key is turned right.</li> </ol>
		4. Key Chain Return Type
	4	<ol> <li>It will become chain type after being pressed down when the key is in still and will return when the key is turned right.</li> <li>It will become return push button when the key is turned right and drawn out.</li> </ol>
5. Key	1	It may be drawn out both in stillness and being
Withdrawable	2	turned right. It may be drawn out in stillness.
6. No. of Contact Blocks Fitted	1-3	1-3
7. Type of Contact Blocks Fitted	A B C	1A 1B 1A1B

1. The mounting holes of square series are Ø22mm/ Ø25mm available.

- 2. The symbol for the position where the key is drawn out for key chain return type is blank.
- 3. The key's switching way is 2-section.

OPERATING HEAD	DIMENSIONS



# **INSULATED ENCLOSURES ( Ø22/Ø30 )**

The mounting holes of this series of insulated enclosures are Ø22mm/Ø30mm. Single-hole insulated enclosures are available in yellow and gray. All the others are in gray. The upper base and contact block are of exclusive type, which is different from those of Ø22/Ø30 series control components.

The dimension and type of the upper base are same as those of 022/030 series control components. The symbol of this type is: by adding "B" to the type No. of 022/030 series control components. For example: T2BFR stands for the upper base of 022 flat-head round type push button; and T2BFR-B refers to the exclusive upper base of the insulated enclosures.

#### ■ THE ASSEMBLY OF INSULATED ENCLOSURES AND SWITCH

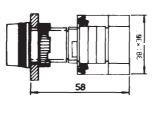
- 1) Take apart the upper cover and the lower base of the insulated enclosures.
- 2) Fix the contact block on the lower base, and the upper base on the upper cover. (Standard contact block needs underneath packing)
- 3) Connect the upper cover with the lower base into one kit.
- The protection structure for this series of insulated enclosures is IP65(IEC144).
- All the illuminated switches used in the insulated enclosures are direct type.

#### ■ STANDARD CONTACT BLOCK FOR INSULATED ENCLOSURES

## 

#### ■ ILLUMINATED CONTACT BLOCK FOR INSULATED ENCLOSURES





TC-BI1C • TC-BI2A

#### ■ LAMP HOLDER BLOCKS (FOR INSULATED ENCLOSURES)

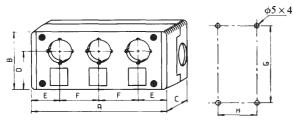
#### TPS-3





8C×.8

#### Mounting Dimensions.



#### T2:Ø22 T3:Ø30

Туре	А	В	С	D	Е	F	G	Н
T2-B1 T3-B1	82	72	63	42	41	-	63	54
T2-B2 T3-B2	127	72	63	42	41	45	108	54
T2-B3 T3-B3	172	72	63	42	41	45	153	54
T2-B4 T3-B4	217	72	63	42	41	45	198	54
T2-B5 T3-B5	262	72	63	42	41	45	243	54

www.eltronika.pl info@eltronika.pl

## **CONTROL STATIONS**

The mounting hole of this series of insulated enclosures is Ø22. The illuminated push button and pilot lamp are all direct type. The contact of the switches are all 1A1B. The shape is round.

The insulated enclosures of mushroom-head and chain type push button are in yellow or gray. Others in gray.

#### MODEL DESIGNATION **ONE BUTTON** R **B1** BF 1 2

2

2

Designation	Signal	Description
1. No. of Button	B1 B2 B3	1 Button 2 Buttons 3 Buttons
2. Туре	BF BL BM KM IF IL IM IK S2 S3	Flat Head Push Button Long Head Push Button Mushroom Head Push Button Push-Lock Push Button Key Push-Lock Mushroom Flat Head Illuminated Push Button Long Head Illuminated Push Button Mushrrom Head Illuminated Push Button Push-Lock Illuminated Push Button Selector Switch (2 Positions) Selector Switch (3 Positions)

Designation	Signal	Description
3. Lens Color	R G B	Red Green Black
4. Name Plate	1 2 3 4 5	OFF ON EM. STOP OFF-ON ON-OFF-ON
5. Voltage	None 2 7	Non-Illuminated 220VAC 24V

#### ONE BUTTON

B1-BFR1	B1-BFG2	B1-BLR1	B1-BLG2	B1-BMR3
B1-IFR1	B1-IFG2	B1-ILR1	B1-ILG2	B1-IMR3
OFF C		C C C C C C C C C C C C C C C C C C C		

B1-BKR3

B1-KMR3

B1-S2B4

B1-S3B5



#### TWO BUTTONS



Туре	Name Plate	Buttons	Voltage
B2-BF	ON OFF	2 Flat Head Push Buttons	
B2-IF2	H "	2 Flat Head Illuminated Push Buttons	220 VAC
B2-IF7	H "	n	24 V

## **CONTROL STATIONS**

#### THREE BUTTONS

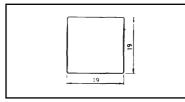


Туре	Name Plate	Buttons
B3-BF	ON OFF ON	3 Flat Head Push Buttons
B3-IF		3 Flat Head Illuminated Push Buttons
B3-PF2	220V ON OFF	1 Pilot Lamp 2 Flat Head Push Buttons
B3-PF7	24V ON OFF	31

## NAME PLATES ( Ø22/Ø25/Ø30 )

#### PLATES FOR ENCLOSURES

TBP



#### • FOR PUSH BUTTON, ILLUMINATED PUSH BUTTON, PILOT LAMP.

TBP-01	TBP-02	TBP-03	TBP-04	TBP-05	TBP-06	TBP-07	TBP-08	TBP-09	TBP-10
0				IV	ON	OFF	START	STOP	UP
TBP-11	TBP-12	TBP-13	TBP-14	TBP-15	TBP-16	TBP-17	TBP-18	TBP-19	TBP-20
DOWN	SOURCE	HAND	AUTO	RUN	FWD REV		CLOSE	OPEN	FAST
TBP-21	TBP-22	TBP-23	TBP-24	TBP-25	TBP-26	TBP-27	TBP-28	TBP-29	TBP-30
SLOW	RESET	EM. STOP	12V	24V	30V	110V	220V	В	1
TBP-31	TBP-32	TBP-33	TBP-34	TBP-35	TBP-36	TBP-37	TBP-38		
2	3	4	5	6	7	8	9		

#### • FOR SELECTOR SWITCH

TBP-51	TBP-52	TBP-53	TBP-54	TBP-55	TBP-56	TBP-57	TBP-58	TBP-59	TBP-60
Ι	11	11 0		ON	ON	ON OFF	REV	REV OFF	AUTO
0		0		OFF	ON	OFF	FWD	FWD	HAND
TBP-61	GBP-62	TBP-63	TBP-64	TBP-65	TBP-66	TBP-67			
AUTO	START	UP	UP	1	1	1			
OFF			OFF		0	2			
HAND	STOP	DOWN	DOWN	2	2	3			

#### ■ LEGEND PLATES FOR Ø22/Ø25/Ø30 OPERATING DEVICES

#### • FOR PUSH BUTTON, ILLUMINATED PUSH BUTTON, PILOT LAMP.

(Ø22) T22P (Ø25) T25P (Ø30) T30P

DIMENSI-

ONS

ABCD

Ø22 31 27

Ø30 38.5 32.5

Ø25 31

27

42

42

52

#### T22P- T25P- T30P-

06	07	08	09	10	11	12	13	14	15	16	17
ON	OFF	START	STOP	UP	DOWN	SOURCE	HAND	AUTO	RUN	FWD	REV

#### • FOR SELECTOR SWITCH T22P- T25P- T30P-

	51 52		53				54			55		56		57			58			
	0	Ι	Ι	II	Ι	0	II	Ι	II			OFF	ON	ON	NO	ON	OFF C	N	FWD	REV
	59		60			61			62											
1	FWD OFF I	REV	AUTO H	AND	AUTO	OFF I	HAND	ST	OP S	TART	Г									

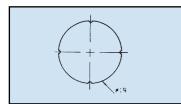
#### ■ BUTTON PLATES FOR Ø22/Ø25/Ø30 OPERATING DEVICES

TPP

TYPE

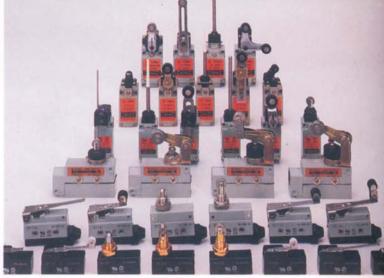
T25P

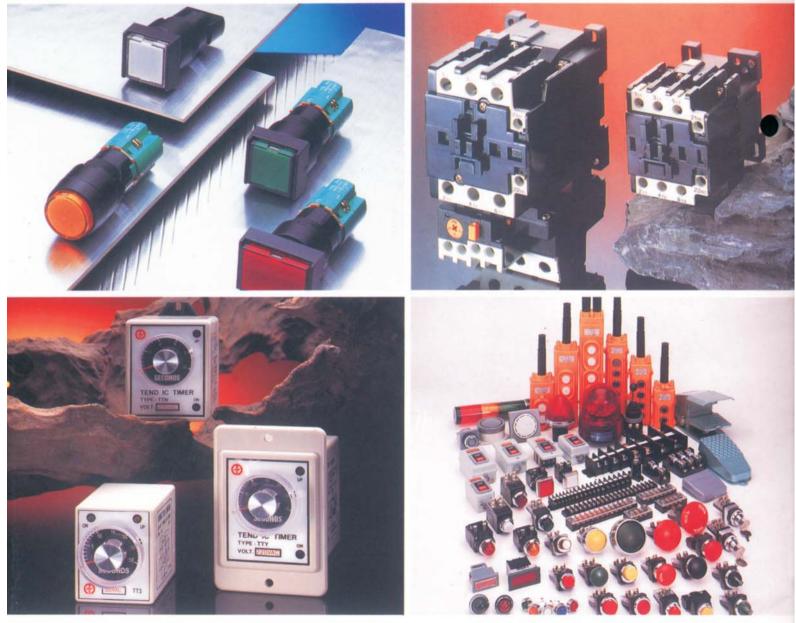
T30P



TPP-01	TPP-02	TPP-03	TPP-04	TPP-05	TPP-06	TPP-07	TPP-08	TPP-09	TPP-10
Ο				IV	ON	OFF	START	STOP	UP
TPP-11	TPP-12	TPP-13	TPP-14	TPP-15	TPP-16	TPP-17	TPP-18	TPP-19	TPP-20
DOWN	SOURCE	HAND	AUTO	RUN	FWD	FWD REV		OPEN	FAST
TPP-21	TPP-22	TPP-23	TPP-24	TPP-25	TPP-26	TPP-27	TPP-28	TPP-29	TPP-30
SLOW	RESET	INCH	12V	24V	30V	110V	220V	В	1
TPP-31	TPP-32	TPP-33	TPP-34	TPP-35	TPP-36	TPP-37	TPP-38		
2	3	4	5	6	7	8	9		







## **Centrala:**

Eltronika sp. z o.o. tel. 22 751 97 44 faks 22 751 97 74 e-mail: biuro@eltronika.pl

> www.eltronika.pl info@eltronika.pl