# TEKNIC





Control and Signaling Devices Ø 22.5 Metal Series



### Control and signalling devices Ø 22.5

### Salient features

This range of Ø 22.5 pushbuttons, selector switches, illuminated switches, illuminated selector switches and pilot lights have been designed to provide the following salient features:

- Economy of space Aesthetically elegant SELF WIPING CONTACT
- Simple to fix screw driver is all that required Safe in operation
- · Very good flame resistance

· Robust in materials of construction

- · Fixing method unaffected by excessive vibration-unit does not rotate
- · Protection against electric shock (unit earthed)

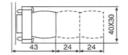
· Shrouded terminals

### Actuators

The circular actuators have chrome plated metal bezels, and are interchangeable on the different types of contact elements.

### Contact elements

The contact elements are double break and have self wiping contacts. The elements are interchangeable and can be stacked without additional hardware. 1 to 6 elements (NO or NC) can be used with non illuminated actuators, whereas, 1 to 4 elements (NO or NC) can be used for illuminated actuators. Gold plated NO and NC contact elements for low voltage, low current switching circuits < 25 mA, are available.



### Illuminated pushbuttons and pilot lights

Pilot lights and illuminated switches are suitable for direct connection, through series resistor, through series resistor and diode, using bayonet cap filament bulb type BA9S, as follow:

Supply voltage for direct connection without series resistor .....: 6V-130V Supply voltage through series resistor ...... 12V-415V Supply voltage through series resistor and diode ...... 230V AC

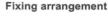
Bulb ...... Filament, type BA9S with OAL max., 28 mm Pilot lights and illuminated switches are available with integral LED chips, suitable for operating at various voltages namely 6V, 12V, 24V, 30V, 48V, 63.5V, 110V, 125V, 230V AC or DC and 415V AC. Pilot lights and illuminated actuators are available with LED bulbs (bayonet cap, BA9S design with OAL max. 28 mm) suitable for operating at various voltages namely 24V, 48V, 110V and 230V. On request an extra short circuit protection consisting of built in fuse in the LED modules can be provided. Specific models of pilot lights are available with integral LED chips suitable for operating over wide range of voltage 24V to 230V AC or DC.

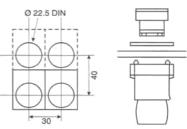
Pilot lights are available with built in transformers suitable for operating at 230, 110 volts AC input and 6V, 12V and 24V output.

### **Terminals**

Contact elements and pilot lights are designed to have shrouded terminals with combi screws.

The control devices Ø 22.5 can be fixed in any position on panels of 1 to 6 mm thickness. We recommend minimum fixing centers of 30 mm X 40 mm. However, the dimensions and configuration should be decided on the basis of the application. The actuators and the lense assemblies lock on to the holding bracket using a bayonet type of fixing which enables a simple and fast assembly. The complete assembly is locked into position on the panel by two M4 pointed screws on the bracket, tightened equally from the rear. The screws should be tightened adequately to such an extent as to pierce through the paint on the panel from inside. These screws also ensure the earthing of the unit.





### Electrical and mechanical characteristics

Environment

Standard conformity : CSA - C22.2 No. 14-95, UL508, EN 60947 - 5 - 1 2000

Approvals

CSA - C22.2 No. 14-95, UL508, VDE 0660 : IP 65 as per IEC 529, NEMA 4X, 12 as per UL 50 Degree of protection

Ambient : - 25°C to + 70°C Operating position : All positions

**Contact Block** 

Rated insulation voltage : 500 V Rated thermal current : 10 A

Contact operation : Self wiping, slow break NO or NC

Make and break capacity

As per IEC 947 - 5 - (1) 1990 : AC 15 4 A, 415V AC : DC 13 0.5 A, 110V DC As per CSA - C22.2 No. 14-95, UL508, : A 600 Q600

Terminal capacity : minimum 1 x 0.5 mm, maximum 2 x 1.5 mm or 1 x 2.5 mm

Terminal marking : 1-2 for NC, 3-4 for NO

Short circuit protection : 10 A cartridge fuse HRC type, rated for resistive loading

Mechanical life : Over 1 million operations

Electric rating 24 120 110 (for 1 million operation cycles, operation at 3600 cycles per hour, load factor 0.5) 0.2

### Modules for pilot light & illuminated switches with integral LED / multichip LED bulb (BA9S cap)

Current consumptions (applicable to all colours)

24 VAC/DC, 110 VAC & 240 VAC : max. 20 mA 110 VDC : max. 15 mA 220 VDC : max. 10 mA Service life (at nominal voltage and at : 100,000 hours

ambient temperature of 25 C)

Voltage limits (nominal voltage) : < 20% of rated voltage > Short circuit protection : on specific request

Terminal capacity : min. 1 x 0.5 mm, max. 2 x 1.5 mm or 1 x 2.5 mm



MOMENTARY ACTUATORS					
	TYPE	COLOUR	ORDERING CODE		
		140.0	0.154		
		White	2AF1		
	Flush	Black	2AF2		
		Green	2AF3		
		Red	2AF4		
		Blue	2AF6		
		Yellow	2AF8		
		10 to	0.4.54.4		
	<b>E</b> 1 1 141	White	2AF1A		
	Flush with	Black	2AF2A		
	arrow marking	Green	2AF3A		
		Red	2AF4A		
		Blue	2AF6A		
		Yellow	2AF8A		
		\	0.4.D4		
	Desire di se	White	2AP1		
	Projecting	Black	2AP2		
		Green	2AP3		
		Red	2AP4		
10		Blue	2AP6		
		Yellow	2AP8		
		White	2AP10		
	Projecting with	Black	2AP20		
	O marking	Green	2AP30		
	Ĭ	Red	2AP40		
		Blue	2AP60		
4		Yellow	2AP80		
		White	2AF1RH		
	Recess head	Black	2AF2RH		
	1100033 Head	Green	2AF3RH		
		Red	2AF4RH		
		Blue	2AF6RH		
		Yellow	2AF8RH		
**		I CHOW	Zi (i Ol(li		
		Black	2AB2		
	Booted	Green	2AB3		
		Red	2AB4		
1000		Blue	2AB6		
		Yellow	2AB8		
		I CHOW	2/100		
	*All actuators are suppl	ied with fixing flange	ė		



	TYPE	COLOUR	ORDERING COD
		Black	2AM2
	Momontony	Green	
	Momentary Ø 40mm	Red	2AM3 2AM4
	<del>40111111</del>	Blue	2AM6
		Yellow	2AM8
		1 Cilovv	ZATIVIO
~ ~	Latabina	Dlock	2444.62
1110 1111111111111111111111111111111111	Latching	Black	2AMLS2
	Ø 30mm	Red	2AMLS4
	Latching	Black	2AML2
	Ø 40mm	Red	2AML4
1.3			
	Push-Pull	Black	2AMPP2
	Ø 40mm	Red	2AMPP4
10			
24	Latching	Black	2AMLKB2
	with Key	Red	2AMLKB4
	Ø 40mm		

\*All actuators are supplied with fixing flange



MUSHROOM ACTU	ATORS	25	
	TYPE	COLOUR	ORDERING CODE
May minimal	Latching Trigger	Black	2AMLT2
	Ø 40mm	Red	2AMLT4
	2 1011111	Itou	Z/ (IVIL 1-1
	Latching Trigger	Black	2AMLTKB2
	with key Ø 40mm	Red	2AMLTKB4
	Latabina	Divi	2004 12
	Latching Ø 60mm	Black Red	2AMLJ2 2AMLJ4
	20 OUTITITE	Reu	ZAIVILJ4
0	Duck Dull	Dlasti	OAMPD IO
	Push-Pull Ø 60mm	Black	2AMPPJ2 2AMPPJ4
	ש טוווווו	Red	ZAIVIPPJ4
		Black	2AMJ2
	Momentary	Green	2AMJ3
	Momentary Ø 60mm	Red	2AMJ4
	D COMMIT	Blue	2AMJ6
		Yellow	2AMJ8
			2, 41.30



0ELEGEO : 4		LLIC SERIE		
SELECTOR ACTU	JATORS	-		+
	TYPE		COLOUR	ORDERING CODE
	SELECTOR			
	2 position		Black	2AS2-2P
	LATCHING	Q, O		
		· · ·		
	With ext. knob			2AS2E-2P
	2 position		Black	2AS2-2PSR
	MOMENTARY	0 0		
	With ext. knob			2AS2E-2PSR
	3 position		Black	2AS2-3P
	STAY PUT	0,00	2.00.1	
		\./\		
	With ext. knob	~		2AS2E-3P
	0 !!!		DI I	0400 0000
	3 position MOMENTARY	0.0.0	Black	2AS2-3PSR
	on both sides			
	With ext. knob			2AS2E-3PSR
	2 magitian		DI1-	0400 0000
	3 position MOMENTARY	0.0	Black	2AS2-3PSRR
	on right	1,10		
	onright	, n		
	With ext. knob			2AS2E-3PSRR
				2.1022 0. 01111
	2 magitian		Diade	2402 2000
	3 position MOMENTARY	0.00	Black	2AS2-3PSRL
	on left	3//		+
	on leit	•		
	With ext. knob			2AS2E-3PSRL
	vvitti ext. Kiiob			ZASZE-SPORL
All actuators are supplied	1 20 6 3 4 6 4 4 4			-

\*All actuators are supplied with fixing flange



KEY SELECTOR		-		
	TYPE		COLOUR	ORDERING CODE
	2 POSITION Stayput	 - X - X	Black	2AK2-2PB
		- x -		2AK2-2PO
445		۵.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2AK2-2PI
	Spring Return	X Q, _,o	Black	2AK2-2POSR
	3 POSITION Stayput	x x x	Black	2AK2-3PA
		à o s		2AK2-3PB
		<u> </u>		2AK2-3PC
	Spring Return	0.000	Black	2AK2-3PSR
	Spring Return right to centre	Q Ö,O	Black	2AK2-3PSRR
	Spring Return left to centre	0,0,0	Black	2AK2-3PSRL
	* X stands for po	sition in which k	key is removal	ole

<sup>\*</sup>All Actualators are supplied with fixing flange



TWIN ACTUATORS				
	TYPE	COLOUR	ORDERING CODE	
		Green	2ATF3F4	
	Double Flush	Red	2A11314	
	w/o IO Mark	Yellow	2ATF8F2	
		Black	ZATFOFZ	
		Green	2ATF3F4(IO)	
	Double Flush	Red	2/11/01 4(10)	
	with IO Mark	Yellow	2ATF8F2(IO)	
		Black	2/11 01 2(10)	
		Green	2ATF3P4	
	1 Flush,	Red	ZATF3F4	
	1 Projecting	Yellow	2ATF8P2	
	w/o IO Mark	Black	ZATFOPZ	
		Green	2ATF3P4(IO)	
	1 Flush,	Red	2A11 3F4(IO)	
	1 Projecting	Yellow	2ATE9D2(IO)	
	with IO Mark	Black	2ATF8P2(IO)	
Nota : Other colours as per r				

Note: Other colours as per request



ILLUMINATED FL	USH WITH BULB				
	TYPE	COLOUR	ORDERING CODE		
	Illuminated Flush, Momentary				
		White	2ALF1		
	Filament Bulb	Green	2ALF3		
	6V to 130V AC/DC	Red	2ALF4		
TOTAL CE	0 to 100 A0/20	Amber	2ALF5		
The state of the s		Blue	2ALF6		
		Clear	2ALF7		
,		Yellow	2ALF8		
Direct Connection	Please mention the		ter the ordering code		
,			·		
		White	2ALRF1		
	Filament Bulb	Green	2ALRF3		
	24V, 48V,110V and 230 V	Red	2ALRF4		
TOWNERS CE	AC/DC	Amber	2ALRF5		
		Blue	2ALRF6		
		Clear	2ALRF7		
_		Yellow	2ALRF8		
Connection with	Please mention the	voltage required aft	ter the ordering code		
Resistor					
		White	2ALRF1 230V AC		
	Filament Bulb	Green	2ALRF3 230V AC		
	230V AC	Red	2ALRF4 230V AC		
Transport (e	2001 70	Amber	2ALRF5 230V AC		
See Contract of the Contract o		Blue	2ALRF6 230V AC		
		Clear	2ALRF7 230V AC		
		Yellow	2ALRF8 230V AC		
Connection with		. 311347			
Resistor+Diode					



TELOWINA TED TEC	JSH ACTUATOR W		
	TVDE		
	ITPE	COLOUR of LED / LENS	ORDERING CODE
	Illuminated Flush act	uator, spring return	
		Yellow LED / White Lens	2ALRF1L
		White LED / White Lens	2ALRF1L(S)
		Green LED / Green Lens	2ALRF3L
	Integral LED	Red LED / Red Lens	2ALRF4L
The state of the s	6V, 12V, 24V, 48V AC/DC	Amber LED / Amber Lens	2ALRF5L
ED) CONTROL OF	110VAC, 110VDC,	Blue LED / Blue Lens	2ALRF6L
C. C.	230VAC, 220VDC	Yellow LED / Clear Lens	2ALRF7L
		White LED / Clear Lens	2ALRF7L(S)
		Yellow LED / Yellow Lens	2ALRF8L
<u> </u>			
Integral	Please mention th	ne voltage required after the orde	ering code
	LED Bulb BASS type	Vollow LED Bulb / White Leng	2AL E4L D
	LED Bulb, BA9S type 24V AC/DC,	Yellow LED Bulb / White Lens White LED Bulb / White Lens	2ALF1LB
	110VAC, 110VDC		2ALF1LB(S) 2ALF3LB
	230VAC, 220VDC	Green LED Bulb / Green Lens Red LED Bulb / Red Lens	2ALF3LB 2ALF4LB
ABANGE CE	230VAC, 220VDC	Amber LED Bulb / Amber Lens	2ALF4LB 2ALF5LB
		Blue LED Bulb / Blue Lens	2ALF6LB
		Yellow LED Bulb / Clear Lens	2ALF0LB 2ALF7LB
		White LED Bulb/ Clear Lens	2ALF7LB 2ALF7LB(S)
		Yellow LED Bulb / Yellow Lens	2ALF7LB(3)
		TOHOW LED DOID/ TOHOW LOTIS	ZALI OLD
Bayonet Bulb	Please mention th	ne voltage required after the order	ering code
		White LED / White Lens	2ALRF1L
	Integral LED	White LED / White Lens	2ALRF1L 2ALRF1L(S)
22	24V, 110V, 230V, AC	Green LED / Green Lens	2ALRF1L(S) 2ALRF3L
	, , <u> , , </u>	Red LED / Red Lens	2ALRF3L 2ALRF4L
	<del>                                     </del>	Amber LED / Amber Lens	2ALRF5L
Tablico Q		Blue LED / Blue Lens	2ALRF6L
SELECTION OF LINE		Yellow LED / Clear Lens	2ALRF7L
100		White LED / Clear Lens	2ALRF7L(S)
		Yellow LED / Yellow Lens	2ALRF8L
Flasher	Please mention th	ne voltage required after the orde	erina code



ILLUMINATED PROJECTING WITH BULB				
	TYPE	COLOUR	ORDERING CODE	
	Illuminated Projecting	g, Momentary		
		White	2ALP1	
	Filament Bulb	Green	2ALP3	
	6V to 130V AC/DC with	Red	2ALP4	
TOWNER CO		Amber	2ALP5	
		Blue	2ALP6	
		Clear	2ALP7	
		Yellow	2ALP8	
Direct Connection	Please mention the volta	age required after	r the ordering code	
63				
		White	2ALRP1	
	Filament Bulb	Green	2ALRP3	
Thursday CE	24V, 48V,110V and 230 V	Red	2ALRP4	
	AC/DC	Amber	2ALRP5	
		Blue	2ALRP6	
		Clear	2ALRP7	
Connection with	Please mention the volta	age required after	r the ordering code	
Resistor				
18		\\/bita	241 DD4 220\/ 40	
	Filement Duli	White	2ALRP1 230V AC	
	Filament Bulb	Green	2ALRP3 230V AC	
	230V AC	Red	2ALRP4 230V AC	
S CONTRACTOR OF THE PARTY OF TH		Amber	2ALRP5 230V AC	
		Blue	2ALRP6 230V AC	
		Clear	2ALRP7 230V AC	
		Yellow	2ALRP8 230V AC	
Connection with				
Resistor+Diode				



ILLUMINATED P	ROJECTING WITH LE	:D			
	ТҮРЕ	COLOUR	ORDERING CODE		
	Illuminated Projecting	uminated Projecting actuator, spring return			
		Yellow LED / White Lens	2ALRP1L		
4	Integral LED	White LED / White Lens	2ALRP1L(S)		
	6V, 12V, 24V, 48V AC/DC	Green LED / Green Lens	2ALRP3L		
	110VAC, 110VDC,	Red LED / Red Lens	2ALRP4L		
A THE PARTY OF THE	230VAC, 220VDC	Amber LED / Amber Lens	2ALRP5L		
San Walley or		Blue LED / Blue Lens	2ALRP6L		
		Yellow LED / Clear Lens	2ALRP7L		
		White LED / Clear Lens	2ALRP7L(S)		
	51	Yellow LED / Yellow Lens	2ALRP8L		
Integral	Please mention tr	ne voltage required after the order	ring code		
		Yellow LED Bulb / White Lens	2ALP1LB		
	LED Bulb, BA9S type	White LED Bulb / White Lens			
	24V AC/DC,	Green LED Bulb / Green Lens	2ALP1LB(S) 2ALP3LB		
	110VAC, 110VDC	Red LED Bulb / Red Lens	2ALP4LB		
TO THE CO CE	230VAC, 220VDC	Amber LED Bulb / Amber Lens	2ALP5LB		
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	2ALP6LB		
		Yellow LED Bulb / Clear Lens	2ALP7LB		
		White LED Bulb/ Clear Lens	2ALP7LB(S)		
Davionat Dulla	Diagon montion th	Yellow LED Bulb / Yellow Lens	2ALP8LB		
Bayonet Bulb	Please mention tr	ne voltage required after the order	Ting code		
		White LED / White Lens	2ALRP1LF		
	Integral LED	White LED / White Lens	2ALRP1LF(S)		
	24V, 110V, 230V, AC	Green LED / Green Lens	2ALRP3LF		
	2-11, 1100, 2000, AO	Red LED / Red Lens	2ALRI 3LI 2ALRP4LF		
THEOREM BY ACT OF THE PROPERTY		Amber LED / Amber Lens	2ALRI 4LI 2ALRP5LF		
Service Servic		Blue LED / Blue Lens	2ALRP6LF		
MI		Yellow LED / Clear Lens	2ALRI OLI 2ALRP7LF		
		White LED / Clear Lens	2ALRP7LF(S)		
		Yellow LED / Yellow Lens	2ALRP8LF		
Flasher	Please mention the	e voltage required after the order			
i idəlici	ו ופמפב ווופוונוטוו נוונ	voltage required after the order	ing code		



ILLUMINATED S	ELECTOR WITH BULB				
	TYPE	COLOUR	ORDERING CODE		
	2 Position Stayput illuminated selector actuator				
	,				
7		White	2ASL1-2P		
	Filament bulb	Green	2ASL3-2P		
TREASURE	6V to 130V AC/DC	Red	2ASL4-2P		
		Amber	2ASL5-2P		
		Blue	2ASL6-2P		
		Clear	2ASL7-2P		
		Yellow	2ASL8-2P		
Direct Connection	Please mention the volt	tage required after the o	ordering code		
		White	2ASLR1-2P		
	Filament bulb	Green	2ASLR3-2P		
Same of	24 V,48V,110V,230V AC/DC	Red	2ASLR4-2P		
TO THE PARTY OF TH		Amber	2ASLR5-2P		
		Blue	2ASLR6-2P		
		Clear	2ASLR7-2P		
		Yellow	2ASLR8-2P		
Connection with	Please mention the volt	tage required after the o	ordering code		
Resistor					
		White	2ASLR1-2P 230V AC		
	Filament bulb	Green	2ASLR3-2P 230V AC		
Tables (	230V AC	Red	2ASLR4-2P 230V AC		
		Amber	2ASLR5-2P 230V AC		
10		Blue	2ASLR6-2P 230V AC		
		Clear	2ASLR7-2P 230V AC		
		Yellow	2ASLR8-2P 230V AC		
Connection with Resistor+Diode	Q. O				
Note :	2 Position Spring re	eturn	Replace 2P with 2PSF		
	·w·				



ILLUMINATED SELECTOR WITH LED					
		TYPE		COLOUR	ORDERING CODE
	百		on Illumina	nted Selector Actuato	
				Yellow LED / White Lens	2ASLR1L-XXXXX
	A			White LED / White Lens	2ASLR1L(S)-XXXXX
	St.	Integral LED	)	Green LED / Green Lens	2ASLR3L-XXXXX
			/, 48V AC/DC	Red LED / Red Lens	2ASLR4L-XXXXX
		110VAC, 11	•	Amber LED / Amber Lens	2ASLR5L-XXXXX
TEN PRO SAN IN	•••	230VAC, 220		Blue LED / Blue Lens	2ASLR6L-XXXXX
The state of		230 V AO, 220	0100	Yellow LED / Clear Lens	2ASLR7L-XXXXX
137	1				_
				White LED / Clear Lens	2ASLR7L(S)-XXXXX
				Yellow LED / Yellow Lens	2ASLR8L-XXXXX
Integral	I LED				
			Please mention	the voltage required after the	ordering code
				Yellow LED Bulb / White Lens	2ASL1LB-XXXXX
				White LED Bulb / White Lens	2ASL1LB(S)-XXXXX
		LED Bulb, BA9S type		Green LED Bulb / Green Lens	2ASL3LB-XXXXX
(A.		24V AC/DC,		Red LED Bulb / Red Lens	2ASL4LB-XXXXX
		110VAC, 110	OVDC	Amber LED Bulb / Amber Lens	2ASL5LB-XXXXX
THE REAL PROPERTY.		230VAC, 220		Blue LED Bulb / Blue Lens	2ASL6LB-XXXXX
APANGE CE	V	,		Yellow LED Bulb / Clear Lens	2ASL7LB-XXXXX
Sand Sand				White LED Bulb/ Clear Lens	2ASL7LB(S)-XXXXX
400	Jan 1984			Yellow LED Bulb / Yellow Lens	2ASL8LB-XXXXX
				Tellew EED Balb / Tellew Eelis	ZAOLOLD AAAAA
LED E	Bulb		Please	mention the voltage required a	fter the ordering code
				V II 155 (WIII)	04015415300004
				Yellow LED / White Lens	2ASLR1LF-XXXXX
				White LED / White Lens	2ASLR1L(S)-XXXXX
Q I		Integral LED		Green LED / Green Lens	2ASLR3LF-XXXXX
		24V, 110V, 2	230V, AC	Red LED / Red Lens	2ASLR4LF-XXXXX
	1			Amber LED / Amber Lens	2ASLR5LF-XXXXX
W. TELLING				Blue LED / Blue Lens	2ASLR6LF-XXXXX
LED TO AC				Yellow LED / Clear Lens	2ASLR7LF-XXXXX
CE				White LED / Clear Lens	2ASLR7L(S)-XXXXX
1700			1	Yellow LED / Yellow Lens	2ASLR8LF-XXXXX
				Tonew LEB / Tonew Lene	Z/OZIYOZI //OOOX
Flash	her		Please	emention the voltage required a	fter the ordering code
1		T	1	1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			1		XXXXX
1			Stayput		2P
			1		
			Coring roturn		2000
2			Spring return	1 T	2PSR
			+	haaaa	
				XXXXX - Denotes Standard	Execution



ILLUMIN	IATED SE	LECTOR WITH BULB		
		TYPE	COLOUR	ORDERING CODE
		3 Position Stayput illumi	nated selector actuator	
			White	2ASL1-3P
- Armin	atta	Filament bulb	Green	2ASL3-3P
-		6V to 130V AC/DC	Red	2ASL4-3P
Thomas			Amber	2ASL5-3P
and Comm	G T		Blue	2ASL6-3P
			Clear	2ASL7-3P
	A		Yellow	2ASL8-3P
Direct C	Connection	Please mention the voltage requi		
79	1		White	2ASLR1-3P
	*	Filament bulb	Green	2ASLR3-3P
		24 V,48V,110V,230V AC/DC	Red	2ASLR4-3P
			Amber	2ASLR5-3P
THE THE REAL PROPERTY OF			Blue	2ASLR6-3P
			Clear	2ASLR7-3P
			Yellow	2ASLR8-3P
Conno	ction with		1 enow	ZAGENO-SI
	esistor	Please mention	n the voltage required after the	L ordering code
110	5313101	T lease mentic	on the voltage required after the	e ordering code
	J. 100 Table 1		White	2ASLR1-3P 230V AC
	+	Filament bulb	Green	2ASLR3-3P 230V AC
		230V AC	Red	2ASLR4-3P 230V AC
The same of			Amber	2ASLR5-3P 230V AC
			Blue	2ASLR6-3P 230V AC
			Clear	2ASLR7-3P 230V AC
Conno	ction with		Yellow	2ASLR8-3P 230V AC
	or+Diode		1 enow	ZAGENO-SI ZGOVAC
	1	QQQ 3 Position S	pring return	Replace 3P with 3PSR
<b></b>		N.J.P		
SELECT OR				
۳.,	2	Q Q Q 3 Position Spi	ring return Left	Replace 3P with 3PSRL
SE OR		XIX		
<b>3, 0</b>				
		0 0 0		
	3	3 Position Spri	ing return Right	Replace 3P with 3PSRR
	F	O Danikian Co.	main a (a d. O. L. / A / / /	
		3 Position Spring return right Illu		or, Red, 110V DC
	Ordering (	Code : 2ASLR4 - 3PSRR 110V [	DC	



ILLUMINATED S	ELECTOR WITH LEI	)						
	TYPE	COLOUR	ORDERING CODE					
		1	I.					
	3 Position Illuminated Selector Actuator							
		Valle LED (MI % Less	0401041 20202					
		Yellow LED / White Lens	2ASLR1L-XXXXX					
	Integral LED	White LED / White Lens Green LED / Green Lens	2ASLR1L(S)-XXXXX					
N. Toronto	6V, 12V, 24V, 48V AC/DC	Red LED / Red Lens	2ASLR3L-XXXXX 2ASLR4L-XXXXX					
LED STATE OF THE PARTY OF THE P	110VAC, 110VDC,	Amber LED / Amber Lens	2ASLR5L-XXXXX					
100	230VAC, 220VDC	Blue LED / Blue Lens	2ASLR6L-XXXXX					
	230170, 223123	Yellow LED / Clear Lens	2ASLR7L-XXXXX					
		White LED / Clear Lens	2ASLR7L(S)-XXXXX					
		Yellow LED / Yellow Lens	2ASLR8L-XXXXX					
Integral LED		Tollow LEB / Tollow Lone	27102110270001					
	Please me	ntion the voltage required after the order	ring code					
		Yellow LED Bulb / White Lens	2ASL1LB-XXXXX					
		White LED Bulb / White Lens	2ASL1LB(S)-XXXXX					
	LED Bulb, BA9S type	Green LED Bulb / Green Lens	2ASL3LB-XXXXX					
	24V AC/DC,	Red LED Bulb / Red Lens	2ASL4LB-XXXXX					
The state of the s	110VAC, 110VDC	Amber LED Bulb / Amber Lens	2ASL5LB-XXXXX					
	230VAC, 220VDC	Blue LED Bulb / Blue Lens	2ASL6LB-XXXXX					
	2007AG, 2207BG	Yellow LED Bulb / Clear Lens	2ASL7LB-XXXXX					
		White LED Bulb/ Clear Lens	2ASL7LB(S)-XXXXX					
		Yellow LED Bulb / Yellow Lens	2ASL8LB-XXXXX					
LED Bulb	Please mei	ntion the voltage required after the order	•					
		Yellow LED / White Lens	2ASLR1LF-XXXXX					
		White LED / White Lens	2ASLR1L(S)-XXXXX					
	Integral LED	Green LED / Green Lens	2ASLR3LF-XXXXX					
	24V, 110V, 230V, AC	Red LED / Red Lens	2ASLR4LF-XXXXX					
		Amber LED / Amber Lens	2ASLR5LF-XXXXX					
LEO E PROME		Blue LED / Blue Lens	2ASLR6LF-XXXXX					
1 (4		Yellow LED / Clear Lens	2ASLR7LF-XXXXX					
		White LED / Clear Lens	2ASLR7LF(S)-XXXXX					
		Yellow LED / Yellow Lens	2ASLR8LF-XXXXX					
Flasher	Please me	ntion the voltage required after the order	ring code					
			XXXXX					
		+						
1	Stayput		3P					
2 Q	0.0							
	Spring return		3PSR					
_								
3 4,	450							
	Spring return	Right	3PSRR					
4								
U,	Spring return	Left	3PSRL					
	**	XXXXX - Denotes Standard Execution						



PILOT LIGHTS WI	TH BULB					
	ТҮРЕ	COLOUR	ORDERING CODE			
	Pilot Light					
		White	2PLB1			
	Filament Bulb	Green	2PLB3			
	6V to 130V AC/DC	Red	2PLB4			
TRANSPORT (E	6V 10 130V AC/DC	Amber	2PLB5			
The state of the s		Blue	2PLB6			
		Clear	2PLB0 2PLB7			
		Yellow	2PLB8			
Direct Connection		reliow	ZFLDO			
		White	2PLBR1			
	Filament Bulb	Green	2PLBR3			
TRANSPORT CE	24V,48V,110V,	Red	2PLBR4			
	230V, AC/DC	Amber	2PLBR5			
		Blue	2PLBR6			
		Clear	2PLBR7			
_		Yellow	2PLBR8			
Connection with Resistor						
9						
		White	2PLBR1240AC			
The same of the sa	Filament Bulb	Green	2PLBR3240AC			
	230V AC	Red	2PLBR4240AC			
		Amber	2PLBR5240AC			
		Blue	2PLBR6240AC			
		Clear	2PLBR7240AC			
Connection with		Yellow	2PLBR8240AC			
Resistor+Diode						
		White	2PLBT1XX/YYY			
	Filament Bulb	Green	2PLBT3XX/YYY			
		Red	2PLBT4XX/YYY			
FREE S	Primary volt. Secondary Volt.	Amber	2PLBT5XX/YYY			
The same of the sa	110 V 6V	Blue	2PLBT6XX/YYY			
3904	12V	Clear	2PLBT7XX/YYY			
	230 V 24V	Yellow	2PLBT8XX/YYY			
Connection with		10511	XX - Secondary Voltage			
Transformer			YYY - Primary Voltage			



PILOT LIGHTS W	ITH LED				
	Туре	Colour of Lens / LED	Ordering Code		
	Pilot Light				
		Yellow LED / White Lens	2PLBR1L		
(6172)	Integral LED	White LED / White Lens	2PLBR1L(S)		
	6V, 12V, 24V, 48V AC/DC	Green LED / Green Lens	2PLBR3L		
	110VAC, 110VDC,	Red LED / Red Lens	2PLBR4L		
TETRICE &	230VAC, 220VDC	Amber LED / Amber Lens	2PLBR5L		
THE THE PARTY IN		Blue LED / Blue Lens	2PLBR6L		
		Yellow LED / Clear Lens	2PLBR7L		
		White LED / Clear Lens	2PLBR7L(S)		
		Yellow LED / Yellow Lens	2PLBR8L		
Integral	Please mention	the voltage required after the ordering	code		
	LED Bulb	Yellow LED Bulb / White Lens	2PLB1LB		
- Carrier Control	BA9S type	White LED Bulb / White Lens	2PLB1LB(S)		
	24V AC/DC,	Green LED Bulb / Green Lens	2PLB3LB		
	110VAC, 110VDC	Red LED Bulb / Red Lens	2PLB4LB		
and the state of t	230VAC, 220VDC	Amber LED Bulb / Amber Lens	2PLB5LB		
		Blue LED Bulb / Blue Lens	2PLB6LB		
100		Yellow LED Bulb / Clear Lens	2PLB7LB		
		White LED Bulb/ Clear Lens	2PLB7LB(S)		
		Yellow LED Bulb / Yellow Lens	2PLB8LB		
LED Bulb	Please mention	the voltage required after the ordering	code		
	Integral I ED	Yellow LED / White Lens	2PLBR1LF		
	Integral LED				
	24V, 110V, 230V, AC	White LED / White Lens	2PLBR1LF(S)		
		Green LED / Green Lens	2PLBR3LF		
		Red LED / Red Lens Amber LED / Amber Lens	2PLBR4LF 2PLBR5LF		
THE DAY OF THE PARTY OF THE PAR		Blue LED / Blue Lens	2PLBR5LF 2PLBR6LF		
The Contract of the Contract o		Yellow LED / Clear Lens	2PLBR0LF 2PLBR7LF		
		White LED / Clear Lens	2PLBR7LF(S)		
Elechen	- BI	Yellow LED / Yellow Lens	2PLBR8LF		
Flasher	Please mention	the voltage required after the ordering	code		
	Integral LED	Yellow LED / White Lens	2PLBR1LU		
	24V upto 240V AC / DC	White LED / White Lens	2PLBR1LU(S)		
	24 V upio 240 V AC / DC	Green LED / Green Lens	2PLBR1LU(S)		
		Red LED / Red Lens	2PLBR3LU 2PLBR4LU		
		Amber LED / Amber Lens	2PLBR4LU 2PLBR5LU		
The same of the sa		Blue LED / Blue Lens	2PLBR6LU		
The same of the sa		Yellow LED / Clear Lens	2PLBR0LU 2PLBR7LU		
		White LED / Clear Lens			
			2PLBR7LU(S)		
		Yellow LED / Yellow Lens	2PLBR8LU		
Universal					



TWIN ILLUMINATED WITH FILAMENT BULB							
	Туре	COLOUR	ORDERED CODE				
	Twin Illuminated 1 Flush, 1 Projecting (IO) Marked						
	Filament bulb	Red button	2ATL5 F3P4 (IO)				
	6V to 130V AC/DC	Green button					
Thomas I was		Amber lens					
Direct Connection							
	Please mention th	e voltage required aft	er the ordering code				
	Filament bulb	Red button	2ATLR5 F3P4 (IO)				
	24 V,48V,110V,230V AC/DC	Green button	- ( - /				
		Amber lens					
		7					
	(						
Connection with							
Resistor	Please mention th	e voltage required aft	er the ordering code				
	Filament bulb	Red button	2ATLR5 F3P4 (IO) 230V AC				
	230V AC	Green button	2/11 E1(0   01 + (10) 230 V AC				
	2007 70	Amber lens					
TO THE		7111001 10113					
Connection with							
Resistor+Diode							
IVESISIOI + DIOUE	L						



TWIN ILLUMINATE	D WITH LED					
	TYPE	COLOUR	ORDERING CODE			
	Twin Illuminated, Flush (IO) Marked					
	Integral I ED	Green	2ATLR5LF3F4 (IO)			
	Integral LED 6V, 12V, 24V, 48V AC/DC	Red	2ATERSEF3F4 (10)			
	110VAC, 110VDC,	Amber lens				
EDIE FORCE	230VAC, 220VDC	ATTIBOT ICTIS				
1	Please mention the voltage required after the ordering code					
Integral LED						
Terror 1	LED Bulb,BA9S type	Green	2ATL5LBF3F4 (IO)			
	24V AC/DC,	Red				
	110VAC, 110VDC	Amber lens				
13.200 (C	230VAC, 220VDC					
LED Bulb	Please mention to	ne voltage required	after the ordering code			
	Integral LED	Green	2ATLR5LF3F4 (IO)F			
	24V, 110V, 230V, AC	Red				
The state of the s		Amber lens				
100						
Flasher	Please mention the voltage required after the ordering code					



TWIN ILLUMINA	ATED WITH BULB					
	Туре	COLOUR	ORDERED CODE			
Twin Illuminated Flush (IO) Marked						
	Filament bulb	Pod button	2ATL5 E2E4 (IO)			
	6V to 130V AC/DC	Red button Green button	2ATL5 F3F4 (IO)			
	6V to 130V AC/DC	Amber lens				
The state of the s		Amber lens				
Direct Connection	*					
	Please mention the v	oltage required afte	er the ordering code			
•	ì					
(4)	Filament bulb	Red button	2ATLR5 F3F4 (IO)			
	24 V,48V,110V,230V AC/DC	Green button				
		Amber lens				
	,					
Connection with Resistor						
	Please mention the v	oltage required afte	er the ordering code			
6	<u> </u>	D = -1 !	0ATLD5 F0F4 (IO) 000\/ AO			
	Filament bulb	Red button	2ATLR5 F3F4 (IO) 230V AC			
	230V AC	Green button				
Takanan (c		Amber lens				
	4					
Connection with						
K esisior±i Jiooe	•					



TWIN ILLUMINAT	ED WITH LED		
	TYPE	COLOUR	ORDERING CODE
	Twin Illuminated 1 Flu	ısh, 1 Projecti	ng (IO) Marked
			0.4.71.051.5004.(10)
11	Integral LED	Green	2ATLR5LF3P4 (IO)
	6V, 12V, 24V, 48V AC/DC	Red	
Table of C	110VAC, 110VDC,	Amber lens	
STATE OF THE PARTY	230VAC, 220VDC		
	Please mention the	voltage required	after the ordering code
Integral LED			
Microsoft 1	LED Bulb,BA9S type	Green	2ATL5LBF3P4 (IO)
	24V AC/DC,	Red	
	110VAC, 110VDC	Amber lens	
TRINGS CE	230VAC, 220VDC		
LED Bulb	Please mention the	voltage required	after the ordering code
	Integral LED	Green	2ATLR5LF3P4 (IO)F
	24V, 110V, 230V, AC	Red	
E LEDITE ON M. ".		Amber lens	
The state of the s			
Flasher	Please mention the	voltage required	after the ordering code



ILLUMINATED MUSHROOM WITH BULB						
	ТҮРЕ	COLOUR	ORDERING CODE			
	Illuminated Mushroom, Momentary					
Thought of the state of the sta	Filament bulb 6V to 130V AC/DC	Red	2ALM4			
Direct Connection						
Control of the contro	Filament bulb 24 V,48V,110V,230V AC/DC	Red	2ALRM4			
Connection with						
Resistor						
THE SECOND SECON	Filament bulb 230V AC	Red	2ALRM4 230AC			
Connection with Resistor+Diode						
Kesisioi+Diode						



ILLUMINATED MU	JSHROOM WITH LED	)	
	ТҮРЕ	COLOUR	ORDERING CODE
	Illuminated Mushr	oom, Momen	tary
	Integral LED	Red	2ALRM4L
	6V, 12V, 24V, 48V AC/DC		
R. Toronto	110VAC, 110VDC,		
USO E BOOK IN	230VAC, 220VDC		
Integral LED	Please mention th	e voltage required a	after the ordering code
integral LLD	T lease mention th	c voltage required a	arter the ordering code
	LED Bulb, BA9S type		
	24V AC/DC,	Red	2ALM4LB
	110VAC, 110VDC		
TO TOTAL OF THE	230VAC, 220VDC		
LED Bulb	Please mention th	e voltage required a	after the ordering code
	Integral LED	Red	2ALRM4LF
	24V, 110V, 230V, AC		
TOUR TAY OF THE PROPERTY OF TH			
(t)			
Flacher	Please mention	the voltage requir	ed after the ordering code



ILLUMINATED MUSHROOM WITH BULB					
	ТҮРЕ	COLOUR	ORDERING CODE		
	Illuminated Mushroom, Push Pull				
	Filament bulb	Red	2ALMPP4		
	6V to 130V AC/DC	ixou	ZI \LIVII I T		
	VI TO TOUT AOIDO				
THE STATE OF THE S					
Direct Connection					
PROBLEM (I)	Filament bulb 24 V,48V,110V,230V AC/DC	Red	2ALRMPP4		
Connection with Resistor					
	Filament bulb 230V AC	Red	2ALRMPP4 230AC		
River of the second of the sec					
Connection with					
Resistor+Diode					



ILLUMINATED MUSHROOM WITH LED						
	TYPE	COLOUR	ORDERING CODE			
	Illuminated Mushroom, Push pull					
		Dod				
THE PARTY OF THE P	Integral LED	Red	2ALRMPP4L			
	6V, 12V, 24V, 48V AC/D 110VAC, 110VDC,	C				
	230VAC, 220VDC					
Integral LED	Please mention the voltage required after the ordering code					
The same of the sa	LED Bulb, BA9S type 24V AC/DC, 110VAC, 110VDC	Red	2ALMPP4LB			
	230VAC, 220VDC					
LED Bulb	Please mention th	e voltage required	after the ordering code			
The state of the s	Integral LED 24V, 110V, 230V, AC	Red	2ALRMPP4LF			
	24V, 110V, 23UV, AC	Neu	ZALINVIET ALI			
Flasher	Please mention the voltage required after the ordering code					



### CONTACT ELEMENTS





TYPE	ORDERING CODE
PANEL MOUNTING	
NORMALLY OPEN SILVER CONTACTS	S1
NORMALLY CLOSED SILVER CONTACTS	S2
NORMALLY OPEN GOLD CONTACTS	S3
NORMALLY CLOSED GOLD CONTACTS	S4
BASE MOUNTING	
NORMALLY OPEN SILVER CONTACTS	S5
NORMALLY CLOSED SILVER CONTACTS	S6
NORMALLY OPEN GOLD CONTACTS	S7
NORMALLY CLOSED GOLD CONTACTS	S8

	SPECIAL PUR	POSE ACTUA	ATORS	
	TYPE	COLOUR	ORDERING CODE	
	Flush Relay	White	2AF1RR	
	Reset Actuators	Black	2AF2RR	
		Green	2AF3RR	
		Red	2AF4RR	
		Blue	2AF6RR	
	8	Yellow	2AF8RR	

\*All actuators are supplied with fixing flange