



Victor is a wall-mounted control station used for the control of industrial machines. This auxiliary control acts on the motor of the machine through a power interface, such as a contactor or relay or through PLC logic.

DESIGN

Victor has an innovative design, where each graphic element is linked to a specific technical function. Its dimensions and shape are the result of careful analysis of the product ergonomic aspects, aimed at achieving a graphic style that blends in with modern industrial environments, making Victor user friendly and easy to integrate in the machine. Its compact dimensions and antislip grooves on the case make it easy to handle under any working conditions.

FEATURES

Victor has been designed to facilitate wiring and maintenance: the switches are installed in the base of the control station, together with the inlet of the cable, and are separated from the actuators, installed on the cover; this drastically reduces time and costs for installation and maintenance down time. The emergency stop mushroom pushbutton complies with ISO13850 regulation and is equipped with positive opening NC switches.

OPTIONS

Victor is available in configurations with 1 to 8 actuators, with 1NO or 1NC switches, LED voltage 24/48 V AC/DC or 110/230 V AC, and potentiometers.

WALL-MOUNTED

CONTROL STATION

The range includes actuators in various colours: one or two speed buttons, selector switches and key-operated switches in various actuation configurations, pilot lights, pulsed or latched mushroom pushbuttons with rotation or key-operated release. One-speed pushbuttons and selector switches are available in illuminated version in a range of colours

Victor cable clamp can be installed at the top, at the bottom or on the rear panel of the control station. Victor is available also with magnetic mounting case.

Label sheets (symbols and lettering) are available to be applied to the upper cover near the actuators, according to customers' needs. Upon request Victor can be supplied with pushbuttons bearing two-colour moulded symbols, making the symbols permanent.

MATERIALS

The 22.5 mm rubber pushbuttons ensure protection against dust penetration, to prevent them from becoming stuck when the control station is used in particularly harsh conditions

All the materials and components used are weather resistant and guarantee protection of the unit against the penetration of water and dust.



INDUSTRIAL LIFTING



CONSTRUCTION LIFTING



INDUSTRIAL AUTOMATION



STAGE TECHNOLOGY

STANDARDS - MARKINGS - HOMOLOGATIONS

- Conformity to Community Directives: 2006/95/CE: Low Voltage Directive 2006/42/CE: Machinery Directive

- Conformity to Standards:

EN 60204-1 Safety of machinery - Electrical equipment of machines EN 60947-1 Low-voltage switchgear and controlgear

EN 60947-5-1 Low-voltage switchgear and controlgear - Control circuit devices and switching elements - Electromechanical control circuit devices

EN 60947-5-5 Low-voltage switchgear and controlgear - Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function

EN 60529 Degrees of protection provided by enclosures ISO13850 Safety of machinery - Emergency stop - Principles for design

- CAN/CSA-C22.2 No 14-10 Industrial Control Equipment
- UL 508 Industrial Control Equipment

GENERAL TECHNICAL SPECIFICATIONS

- Storage ambient temperature: -40°C/+80°C - Operational ambient temperature: -40°C/+80°C - Protection degree: IP 66 / IP 67 / IP 69K

- Insulation category: Class II - Cable entry: cable clamp M20 x 1.5 - Operating positions: any position

- Mechanical life

1 speed pushbutton: 10x106 operations 2 speed pushbutton: 10x106 operations illuminated pushbutton: 10x106 operations

- HALT test (data available on request)

- Markings and homologations: C € • 🖫 s IL 1

- UL Environmental Rating: (Victor grey and black) Type 1, 4 and 4X (Victor yellow) Type 1, 4 and 4X indoor use only

TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES

- Utilisation category: AC 15 - Rated operational current: 3 A - Rated operational voltage: 250 Vac

- Rated thermal current: 10 A - Rated insulation voltage: 300 Vac - Mechanical life: 10x106 operations

- Terminal referencing: according to EN 50013

- Connections: screw-type terminals - Wires: 2x0,5mm2 - 2x1,5 mm2 - 1x2,5 mm2

- Tightening torque: 0.5 Nm

- Markings and homologations: (€ (⊕



The slow action switch PRSL1800PI has 1 NO contact, double break.

The slow action switch PRSL1801PI has 1 NC. double break.

All NC contacts are of the positive opening operation type -. The switches have the following reference for internal wiring.



PRSL1800PI



PRSL1801PI

TECHNICAL SPECIFICATIONS OF THE LEDS

- Electrical ratings PRSL1821PI: 110-240 Vac, 1.15-2.50 mA

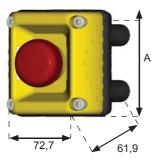
- Electrical ratings PRSL1820PI: 24-48 Vac/dc, 1.30-2.70 mA

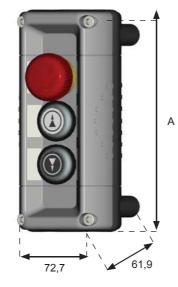
- Markings and homologations: (€ t) us



PRSL1820PI / PRSL1821PI

OVERALL DIMENSIONS (MM)





N° of	Length (mm)
buttons	Α
1	72,9
2	122
3	152
4	182
6	242
8	302



TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES

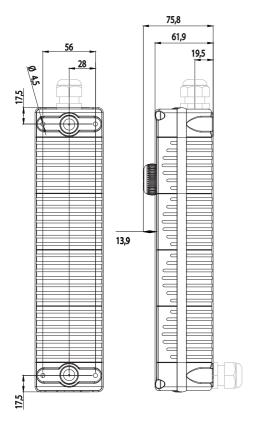
Code	PRSL1800PI	PRSL1801PI		
Utilisation category	AC 15			
Rated operational voltage	250) V		
Rated operational current	3	A		
Rated thermal current	10	A		
Rated insulation voltage	300	Vac		
Mechanical life	10x10 ⁶ o	perations		
Terminal referencing	According to EN 50013			
Connections	screw-type	e terminals		
Wires	2x0.5mm² - 2x1.5	mm² - 1x2.5 mm²		
Tightening torque	0.5	Nm		
Switch type	Double break, slow action	Double break, slow action		
Contacts	1NC 1NO (All NC contacts are of the positive opening operation type ()			
Scheme	E			
Markings and homologations	(€ ⑩ ⑤			

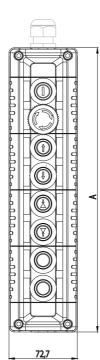
TECHNICAL SPECIFICATIONS OF THE LEDS

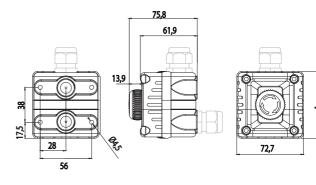
Code	PRSL1820PI	PRSL1821PI
Rated operational voltage	110-240 Vac 24-48 Vac/dc	
Reted absorbed current	1.15-2.50 mA 1.30-2.70 mA	
Scheme	$\bigotimes_{\mathbf{x}_2}^{\mathbf{x}_1}$) ED
Markings and homologations	(€	շ ^{(Ս} Ա)սs

TECHNICAL SPECIFICATIONS OF THE POTENTIOMETERS

Code	PRVV9079PE	PRVV9019PE	PRVV9039PE		
Ohmic value	1 kΩ	4.7 kΩ	10 kΩ		
Life time	15000 movements (minimum)				
Operational ambient temperature		-25°C / +70°C			
Mechanical angle	300°				
Actual electrical angle	267°				
Ohmic value tolerance	± 20%				





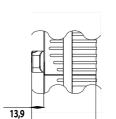


N° of buttons	Length (mm)
	Α
1	72,9
2	122
3	152
4	182
6	242
8	302

ACTUATORS

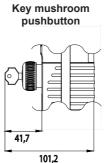
22,8

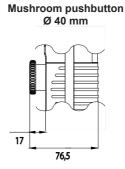
Key selector switches

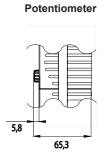


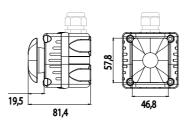
73,4

Selector switches





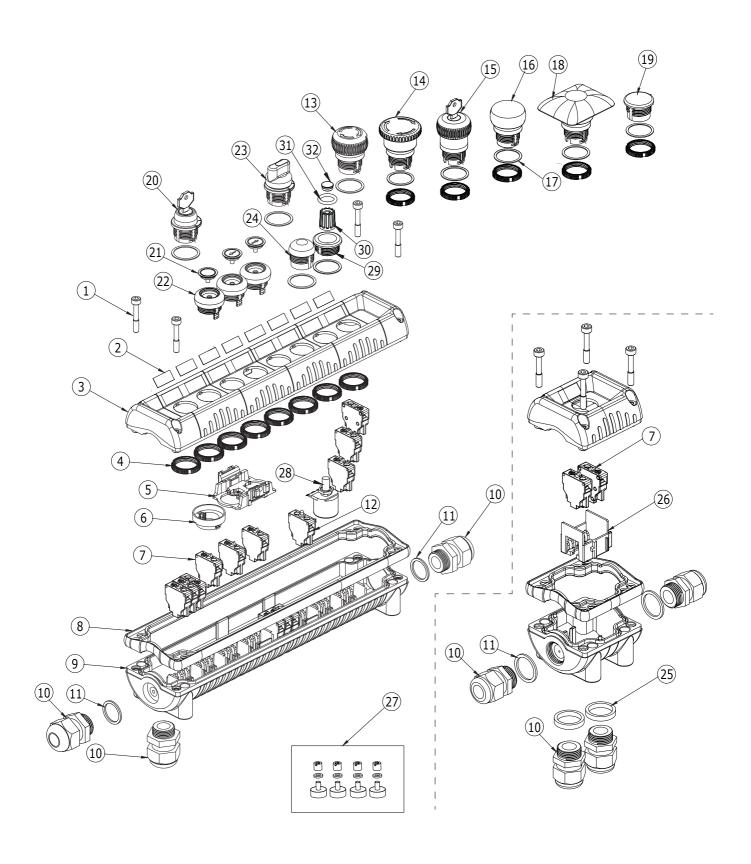




Rectangular Mushroom pushbutton (available only for Victor with 1 buttons)

Dimensions of all mushroom pushbuttons are in released position





SWITCHES

REF	DRAWING	DESCRIPTION	SCHEME	Code
_	7 -	1NO single switch	E	PRSL1800PI
7		1NC single switch	E	PRSL1801PI
40		LED element 24/48 V AC/DC	-	PRSL1820PI
12		LED element 110/230 V AC	-	PRSL1821PI

POTENTIOMETERS

REF	DRAWING	DESCRIPTION	Code
32+31+30+29+17+4+28		Potenziometro 4.7 kΩ	PRSL1891PI
		Potenziometro 10 kΩ	PRSL1892PI
		Potenziometro 1 kΩ	PRSL1893PI

ACTUATORS

REF	DRAWING	DESCRIPTION	Code
19+17+4		Blanking plug	PRSL1845PI
21	©	Disk for button	PRTAxxxxxx see Disk table
		2 speed pushbutton	PRSL1810PI
22+4		1 speed pushbutton	PRSL1811PI
	O —	1 speed illuminated pushbutton	PRSL1815PI

PILOT LIGHTS

REF	DRAWING	Color	Code
		White	PRSL1844PI
	0	Green	PRSL1841PI
24+17+4		Blue	PRSL1846PI
24+17+4		Red	PRSL1840PI
		Yellow	PRSL1842PI
		Orange	PRSL1843PI



MUSHROOM PUSHBUTTONS

REF	DRAWING	DESCRIPTION	HEAD COLOR	CODE
13+17+4		Latched mushroom pushbutton for emergency stop	Rosso	PRSL1880PI
14+17+4		Latched mushroom pushbutton for emergency stop Ø 40 mm	Red	PRSL1881PI
15+17+4	900	Key mushroom pushbutton	Red	PRSL1890PI
			Red	PRSL1885ROC
			Blue	PRSL1885BLC
16+17+4		Impulse mushroom pushbutton	Yellow	PRSL1885GIC
10+17+4		with black base	Green	PRSL1885VEC
	0		Orange	PRSL1885ARC
			Black	PRSL1885NEC
18+17+4		Rectangular Mushroom pushbutton	Red	PRSL1882PI
18+1/+4		(available only for Victor with 1 buttons)	Black	PRSL1882NEC

KEY SELECTOR SWITCHES

Ref	DRAWING	Positions	SPRING RETURN	MAINTAINED POSITIONS	PULL-OUT POSITION	Code
		0 / 1	X		0	PRSL1867PI
		071		Х	0	PRSL1868PI
		4 / 0 / 4 + 2	X		0	PRSL1869PI
	1+17+4 — — — — — — — — — — — — — — — — — — —	1 / 0 / 1+2		Х	0	PRSL1870PI
2014714		0/1/1+2 -	Х		0	PRSL1871PI
20+17+4				Х	0	PRSL1872PI
			Х		1	PRSL1873PI
		1 / 2 change over		Х	1	PRSL1874PI
		1 / 1+2 / 2	Х		1+2	PRSL1875PI
		1 / 1+2 / 2 –		Х	1+2	PRSL1876PI

REF	DRAWING	Positions	Colc	IR	- Code	
REF	DRAWING	Pusitions	TRANSPARENT	FULL	GODE	
				White		PRSL1855BI
			Green		PRSL1855VE	
		0 / 1	Blue		PRSL1855BL	
		Spring return	Red		PRSL1855RO	
			Yellow		PRSL1855GI	
	_		Orange		PRSL1855AR	
			White		PRSL1856BI	
			Green		PRSL1856VE	
		0 / 1	Blue		PRSL1856BL	
		Maintained	Red		PRSL1856RO	
			Yellow		PRSL1856GI	
	_		Orange		PRSL1856AR	
				White	PRSL1855BIC	
				Green	PRSL1855VEC	
		0 / 1		Blue	PRSL1855BLC	
		Spring return		Red	PRSL1855ROC	
				Yellow	PRSL1855GIC	
	_			Orange	PRSL1855ARC	
				White	PRSL1856BIC	
				Green	PRSL1856VEC	
		0 / 1		Blue	PRSL1856BLC	
		Maintained		Red	PRSL1856ROC	
	a			Yellow	PRSL1856GIC	
				Orange	PRSL1856ARC	
3+17+4			White		PRSL1857BI	
	0		Green		PRSL1857VE	
		1/0/2	Blue		PRSL1857BL	
		Spring return	Red		PRSL1857RO	
			Yellow		PRSL1857GI	
	_		Orange		PRSL1857AR	
			White		PRSL1858BI	
			Green		PRSL1858VE	
		1/0/2	Blue		PRSL1858BL	
		Maintained	Red		PRSL1858RO	
			Yellow		PRSL1858GI	
			Orange		PRSL1858AR	
	-			White	PRSL1857BIC	
				Green	PRSL1857VEC	
		1/0/2		Blue	PRSL1857BLC	
		Spring return		Red	PRSL1857ROC	
				Yellow	PRSL1857GIC	
				Orange	PRSL1857ARC	
	-			White	PRSL1858BIC	
			-	Green	PRSL1858VEC	
		1/0/2		Blue	PRSL1858BLC	
		Maintained		Red	PRSL1858ROC	
				Yellow	PRSL1858GIC	
				Orange	PRSL1858ARC	
			Orange	FROL 1000ARU		



		Positions	Colo		
REF	DRAWING		TRANSPARENT FULL		CODE
			White		PRSL1863BI
			Green		PRSL1863VE
		1 / 1+2 / 2	Blue		PRSL1863BL
		Spring return	Red		PRSL1863RO
			Yellow		PRSL1863GI
			Orange		PRSL1863AR
	•		White		PRSL1864BI
			Green		PRSL1864VE
		1 / 1+2 / 2	Blue		PRSL1864BL
		Maintained	Red		PRSL1864RO
			Yellow		PRSL1864GI
			Orange		PRSL1864AR
				White	PRSL1863BIC
				Green	PRSL1863VEC
		1 / 1+2 / 2		Blue	PRSL1863BLC
		Spring return		Red	PRSL1863ROC
				Yellow	PRSL1863GIC
				Orange	PRSL1863ARC
				White	PRSL1864BIC
		-		Green	PRSL1864VEC
		4 / 4 : 0 / 0		Blue	PRSL1864BLC
		1 / 1+2 / 2 Maintained		Red	PRSL1864ROC
				Yellow	PRSL1864GIC
	-				PRSL1864ARC
23+17+4			White	Orange	
					PRSL1859BI
			Green		PRSL1859VE
		0 / 1 / 1+2 Spring return	Blue		PRSL1859BL
		Spring return	Red		PRSL1859RO
			Yellow		PRSL1859GI
			Orange		PRSL1859AR
			White		PRSL1860BI
			Green		PRSL1860VE
		0 / 1 / 1+2	Blue		PRSL1860BL
		Maintained	Red		PRSL1860RO
			Yellow		PRSL1860GI
			Orange		PRSL1860AR
				White	PRSL1859BIC
				Green	PRSL1859VEC
		0 / 1 / 1+2		Blue	PRSL1859BLC
		Spring return		Red	PRSL1859ROC
				Yellow	PRSL1859GIC
				Orange	PRSL1859ARC
				White	PRSL1860BIC
				Green	PRSL1860VEC
		0/1/1±2		Blue	PRSL1860BLC
		0 / 1 / 1+2 Maintained		Red	PRSL1860ROC
				Yellow	
					PRSL1860GIC
				Orange	PRSL1860ARC

REF DRAWING		Positions	Сосо	8	
REF	EF DRAWING POSI		TRANSPARENT	FULL	Code
			White		PRSL1861BI
			Green		PRSL1861VE
		1/2	Blue		PRSL1861BL
		Spring return	Red		PRSL1861RO
			Yellow		PRSL1861GI
			Orange		PRSL1861AR
			White		PRSL1862BI
			Green		PRSL1862VE
		1/2	Blue		PRSL1862BL
		Maintained	Red		PRSL1862RO
	A		Yellow		PRSL1862GI
23+17+4			Orange		PRSL1862AR
23+17+4		1/2 Spring return		White	PRSL1861BIC
	0			Green	PRSL1861VEC
				Blue	PRSL1861BLC
				Red	PRSL1861ROC
				Yellow	PRSL1861GIC
				Orange	PRSL1861ARC
				White	PRSL1862BIC
				Green	PRSL1862VEC
		1/2		Blue	PRSL1862BLC
		Maintained		Red	PRSL1862ROC
				Yellow	PRSL1862GIC
-				Orange	PRSL1862ARC

ACCESSORIES

REF	DRAWING	DESCRIPTION	Code
		Label sheet - symbols	PRET0215PE
		Label sheet - German	PRET0220DE
2		Label sheet - English	PRET0220EN
2		Label sheet - Spanish	PRET0220ES
		Label sheet - French	PRET0220FR
		Label sheet - Italian	PRET0220IT
5		Mechanical interlock	PRSL1850PI
6		Button-switch spacer	PRSL8512PI
10 + 11 + 25		Cable clamp M20x1.5 + rings	PRSL1837PI
26		1-2-3 switch holder	PRSL8750PI
27		Magnetic mounting kit	PRSL1851PI





RED PRTA002MPI PRTA001MPI









































PRTA016MPI

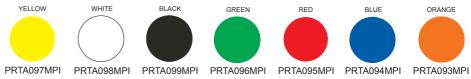
















PRTA034MPI















	TRANS	PARENT	DISKS
YELLOW		,	WHITE











PRTA093MPIT

REMARKS	

	N. OF BUTTONS	GREY UPPER COVER	YELLOW UPPER COVER	BALCK UPPER COVER	Code
		Х			F71EG00000000001
	1		X		F71EY00000000001
	-			Х	F71EB00000000001
		Х			F71FG00000000001
(I)	2		X		F71FY00000000001
	-			Х	F71FB00000000001
		Х			F71GG00000000001
	3		Х		F71GY00000000001
	-			Х	F71GB00000000001
4	4	Х			F71HG000000000001
			X	F71HB000000000001	
6	_	Х			F71IG00000000001
			Х	F71IB00000000001	
		Х			F71JG00000000001
	8 -			Х	F71JB00000000001



Standard control stations are supplied with a cable clamp.

1 ACTUATOR

	TYPE OF ACTUATOR	GREY UPPER COVER	YELLOW UPPER COVER	BALCK UPPER COVER	CODE
	Latched mushroom pushbutton	Х			F71EG10000000001
PRSL1801PI switch 1NC	PRSL1801PI switch 1NC		Х		F71EY10000000001
] 12			Х	F71EB10000000001
Key mushroom pushbutton		Х			F71EG10000000002
	PRSL1801PI switch 1NC		X		F71EY10000000002
12			X	F71EB10000000002	
Impulse mushroom pushbutton PRSL1801PI switch 1NC	Х			F71EG10000000003	
	FRSL 100 IFI SWILCH INC		X		F71EY10000000003
	12			X	F71EB10000000003
	2 positions selector switches PRSL1800PI switch				F71EG00000001001
	1NO 13 13		X		F71EY00000001001
	E \			Х	F71EB00000001001
	3 positions selector switches N.2 PRSL1800PI switches	Х			F71EG00000001002
	1NO + 1 NO		Х		F71EY00000001002
	E\(\frac{1}{14} \) E\(\frac{1}{14} \)			Х	F71EB00000001002

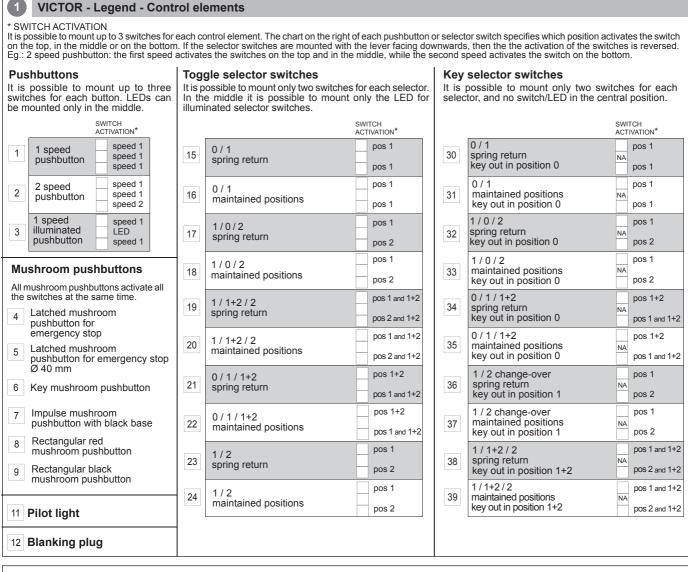
	TYPE OF ACTUATORS			YELLOW UPPER COVER	BALCK UPPER COVER	Code	
	Latched mushroom pushbutton PRSL1801PI switch	Start button PRSL1800PI switch	X			F71FG11000000001	
	1NC	1NO 13 F		Х		F71FY11000000001	
	12			Х	F71FB11000000001		
	Key mushroom pushbutton PRSL1801PI switch					F71FG11000000002	
	1NC 1 E 7	1NO			Х		F71FY11000000002
	12			Х	F71FB11000000002		
	White button PRSL1800PI switch	Black button PRSL1800Pl switch	X			F71FG00020000001	
8	1NO 13 E 1	1NO		X		F71FY00020000001	
()	14	[\]			X	F71FB00020000001	

3 ACTUATORS

	ТҮРЕ	OF ACTUATORS		GREY UPPER COVER	YELLOW UPPER COVER	BALCK UPPER COVER	CODE		
	Latched mushroom pushbutton PRSL1801PI switch	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG10020000001		
	1NC	1NO _ ,1 3	1NO		Х		F71GY10020000001		
	12	[[Х	F71GB10020000001		
	Key mushroom pushbutton PRSL1801PI switch	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG10020000002		
	1NC	1NO . , j	13 .	13 .	13 13		Х		F71GY10020000002
	12	[\	14			Х	F71GB10020000002		
7	2 positions selector switches PRSL1800PI switch	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG00020001001		
	1NO 13 E \	1NO . , l	1NO 13 [,]	1NO	1NO 1NO 13 13 13		Х		F71GY00020001001
	14	14	14			Х	F71GB00020001001		
3	3 positions selector switches N.2 PRSL1800PI switches	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG00020001002		
	1NO + 1 NO	1NO	1NO		Х		F71GY00020001002		
	14 14	14	14			X	F71GB00020001002		



					OTOR 1 OTOR 3 OTOR 4 OTOR 6 OTOR 6
Instructions					\$ \$ \$ \$ \$ \$ \$
(See next page for list of components and legends)	1	2	3	5	δ δ ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
Fill in the chart to the left according to the number of control elements required. Control stations are available with 1-2-3-4-6-8 control elements.	Control elements	Button disks and colors	Color of selectors, mushrooms, pilot lights	Switches	Potentiometer Potentiometer
Control elements: enter the number corresponding to the control element required (1 to 39) according to the legend. Eg. 25	0 0	ш 6 0		4	
ATTENTION: the rectangular mushroom pushbutton (8 - 9) is available only for Victor with 1 actuator.			(6 MI	- —'
Button disks and colors: for pushbuttons (1 to 3) enter the number corresponding to the disk required (50 to 85) according to the legend. Both full color disks and transparent disks (for illuminated buttons) are available. Eg. 57					
Color of selectors, mushrooms, pilot lights: for toggle selector switches (15 to 24), impulse mushroom pushbuttons (7) and pilot lights (11) enter the code corresponding to the color required according to the legend. Eg. RP				MI	
If you choose disks with arrows (legend 54 to 72), enter the direction of the arrow in the circle. Eg.					
Switches, LEDs and potentiometers: enter the number corresponding to the switch, LED or potentiometers required (90 to 96) according to the legend. It is possible to enter up to 3 switches per position. Es. 91				MI	
2 speed pushbuttons can activate two switches on the first speed and one switch on the second speed.					<u>_</u>
Selector switches can activate only two switches and possibly a LED.				MI	ا ا
ATTENTION: LEDs can be placed only in the central position and they are used for illuminated buttons and selector switches					
(See Control Elements legend for switch activation)					
Mechanical interlock: tick the boxes where mechanical interlock between two control elements is required. Eg.				MI]
Cover : tick the box corresponding to the cover color required (the base of the enclosure is always black).					
ATTENTION: the yellow cover is available only for Victor with 1-2-3 actuators.					
8 SIL 1 certified: tick the box if you require SIL 1 certified units for safety functions.					
9 Adhesive labels: stickers with letterings or symbols may be placed on the left and on the right of any control element. If label sheets are required, tick the corresponding box.				MI	
Magnetic version: tick the box if you require magnetic mounting case					
Cable clamp : the control stations are supplied with one cable clamp M20 x 1.5 and washer for assembling. The cable clamp can be mounted in various positions.	Cover	7		SIL 1 c	ertified 8
E O O	Grey	Bla	ck Yell	low	
000000000000000000000000000000000000000	Adhesive	e labels (9	Magne	tic version
300	Sym	bols	German	ı 🗌	10
-	Italia	n	French		
	Engl	ish	Spanish	ı	



2 Legend - Button disks and colors				
Full color and symbol disks for pushbuttons (ref.		Transparent disks for Iluminated buttons (ref. 3)		
50 GREEN 54 1 58 1 62 62	56 7 0 1 74 78	YELLOW WHITE GREEN 80 82 84		
	71 75 79	RED BLUE ORANGE		
52 6 (1) 60 (1) 64 6	72 A 76 GREEN			
53 6 1 6 5 6 5	green Yellow RED 77 77	5 Legend - Switches LEDs and potentiometers		
		90 PRSL1800PI - 1NO switch		
3 Legend - Color of selectors, mushroon	ns, pilot lights	91 PRSL1801PI - 1NC switch		
Non-illuminated toggle selector switches (ref. 15 to 24)	Impulse mushroom pushbutton with black base (ref. 7)	92 PRSL1820PI LED 24/48 V AC/DC		
RP Red BP Blue AP Orange GP Yellow VP Green WP White	R Red B Blue A Orange G Yellow V Green N Black	93 PRSL1821PI LED 110/230 V AC		
Illuminated toggle selector switches	Pilot lights (ref. 11)	PRSL1891PI potentiometer 4.7 kΩ		
(ref. 15 to 24) RI Red BI Blue Al Orange	R Red B Blue A Orange	95 PRSL1892PI potentiometer 10 kΩ		
GI Yellow VI Green WI White	G Yellow V Green W White	96 PRSL1893PI potentiometer 1 kΩ		



USE AND MAINTENANCE INSTRUCTIONS

Victor Wall-mounted Control Station is an electromechanical device for low voltage control circuits (EN 60947-1, EN 60947-5-1) to be used as electrical equipment on machines (EN 60204-1) in compliance with the fundamental requirements of the Low Voltage Directive 2006/95/CE and of the Machine Directive 2006/42/CE.

The control station is designed for industrial use and also for use under particularly severe climatic conditions (operational temperature from –40°C to +80°C, suitable for use in tropical environment). The equipment is not suitable for use in environments with potentially explosive atmosphere, corrosive agents or a high percentage of sodium chloride (saline fog). Oils, acids or solvents may damage the equipment; avoid using them for cleaning

Do not connect more than one phase to each switch. Do not oil or grease the control elements or the switches.

The installation of the control station shall be carried out by expert and trained personnel. Wiring shall be properly done according to the current instructions.

Prior to the installation and the maintenance of the control station, the main power of the machinery shall be turned off.

Steps for the proper installation of the control station

- 1. Open the control station.
- 2. Break the seat choosen for the cable clamp on the base (7) making sure to remove any burr; in Victor 1 remove the switch support first (9).
- 3. If you choose the bottom seats in Victor 1, fit the washer (10) (Victor 2-3-4-6-8 do not require washers in the bottom seats). For all control station Victor 1-2-3-4-6-8, if you choose the side seats fit the washer (5) and tighten the cable clamp (6).
- 4. Fasten the control station on the desired support, making sure to match the spacing of the fixing holes on the base (7). Use M4 screws and check that the equipment is properly fastened. Use only the special fixing holes to fasten the control station.
- 5. Insert the multi-pole cable into the control station through the cable clamp (6). Strip the cable to a length suitable for wiring the switches/LED (8).
- 6. Tape the stripped part of the cable.
- 7. Tighten the cable clamp (6) to fasten the multi-pole cable.
- 8. Connect all the switches/LED (8) according to the wiring layout printed on the switches/LED and overleaf (tighten the wires into the terminals with a torque equal to 0.5 Nm; (UL (c)UL: use 60°C or 75°C copper (CU) conductors and stiff or flexible wire 14-16 AWG); insertability of wires into the terminals: 2x0.5mm² 2x1.5 mm² 1x2.5 mm²).
- 9. Close the control station checking the proper positioning of the tightening gasket (4), making sure the gasket fits well into the cover and the base seats. ATTENTION: make sure that cover and base are positioned in the proper direction. Make sure no cable is in between the switches/LED (8) and the actuators mounted on the upper cover (1). Tighten the fixing screws (3) on the cover (1) with a torque of 250 cNm.

CAUTION: Do not operate on the actuators when the control station is not perfectly closed (with screws tightened and clips fitted as described in point 9) as this may cause the release of the mechanical interlock. If this happens, re-position the mechanical interlock before closing the control station.

Periodic maintenance steps

- Check the proper tightening of the screws (3) of the enclosure (1, 7).
- Check the proper tightening of the switch/LED (8) terminal screws.
- Check the wiring conditions (in particular where wires clamp into the switches).
- Check the conditions of the tightening gasket (4), of the rubber of the actuators (2) and of the cable clamp (6).
- Check that the plastic enclosure (1, 7) of the control station is not broken.
- Check that the control station is properly fastened.

In case any component of the pendant station is modified, the validity of the markings and the guarantee on the equipment are annulled. Should any component need replacement, use original spare parts only.

TER declines all responsibility for damages caused by the improper use or installation of the equipment.

Specifications UL

Technical Specifications UL

Code Victor certified UL = F81XXXXXXXXXXXXX

= F82XXXXXXXXXXXXX

Category = NKCR / NKCR7

Contact Blocks Rating = A600, Q600

LED PRSL1821PI Rating = 110 - 240VAC, 1.15 - 2.50 mA

LED PRSL1820PI Rating = 24 - 48 VDC/AC, 1.30 - 2.70 mA

Environmental Rating (Victor grey and black) = Type 1, 4 and 4X

Environmental Rating (Victor yellow) = Type 1, 4 and 4X indoor use only

Cord diameter range = F81xx from 0.39 in (10mm) to 0.55 in (14mm)

= F82xx from 0.24 in (6mm) to 0.47 in (12mm)

Cord type = flexible, type minimum SW or SJW (ZJCZ/7) Wire size Range = 14-16 AWG stranded or solid

Conductors = Copper (CU) 60/75°C

Terminal tightening torque = 4.50 lb.in (0.5Nm)

Marking = cULus

Marcatura = Ous

Emergency Stop Button

Category = NISD3

Code = PRSL1880P1, PRSL1881PI

Contact Blocks = PRSL1801PI (A600, Q600)

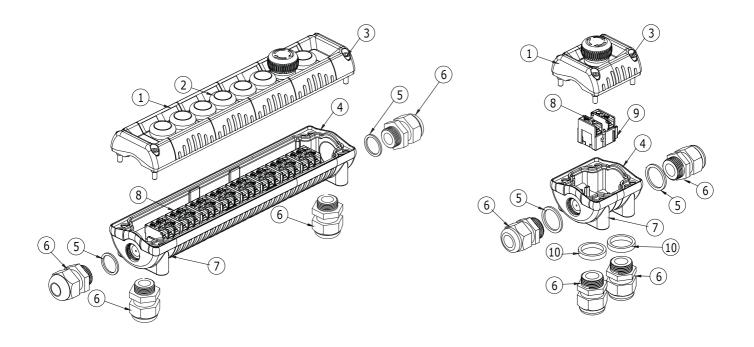
Optional Contact Blocks = PRSL1800PI (A600, Q600)

Code = PRSL1890PI

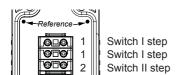
Contact Blocks = PRSL1801PI (A600, Q600)

These unlisted component emergency stop buttons are intended for use within TECNO

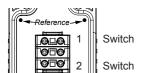
ELETTRICA RAVASI S R L Listed (NKCR) Mike and Victor pushbutton stations.



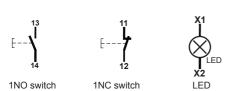
SWITCH ACTIVATION

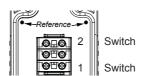


Pushbutton 2 steps

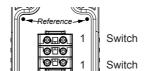


Selector 1/0/2 Selector 1/1+2/2 Selector 1/2

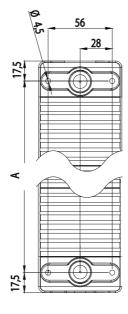




Selector 0/1/1+2



Selector 0/1



N° of	Length (mm)
buttons	Α
1	37,9
2	87
3	117
4	147
6	207
8	267

