

VICTOR WALL-MOUNTED CONTROL STATION

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 and LED voltage 24/48 V AC/ DC o 110/230 V AC.

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

BUSINESS PARTNER

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

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

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
- Markings and homologations: CE
- Mechanical life
 1 speed pushbutton: 8x10⁶ operations
 2 speed pushbutton: 8x10⁶ operations
 illuminated pushbutton: 8x10⁶ operations
- HALT test (data available on request)
- Markings and homologations: CE 🕲 KIL 1

TECHNICAL SPECIFICATIONS OF THE MICROSWITCHES

- Utilisation category: AC 15
- Rated operational current: 3 A
- Rated operational voltage: 250 V
- Rated thermal current: 10 A
- Rated insulation voltage: 300 Vac
- Mechanical life: 8x10⁶ 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: 🤇 🔄 🚯

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: CE





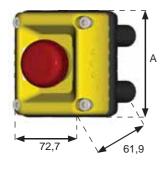
PRSL1800PI

PRSL1801PI



PRSL1820PI / PRSL1821PI

OVERALL DIMENSIONS (MM)





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

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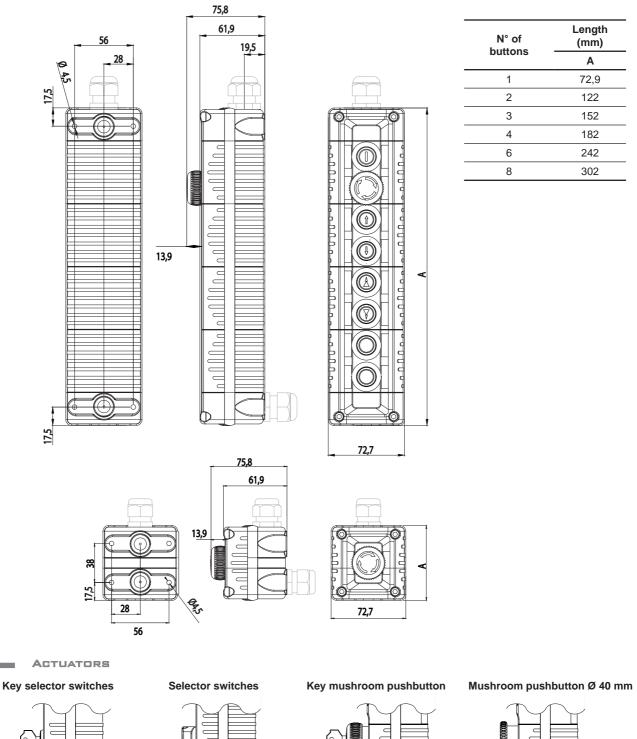
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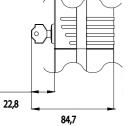
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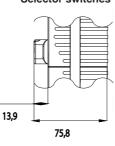
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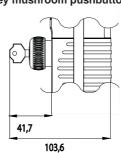
The slow action switch PRSL1800PI has 1 NO contact, double break. The slow action switch PRSL1801PI has 1 NC, double break.

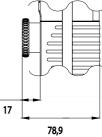
All NC contacts are of the positive opening operation type -. The switches have the following reference for internal wiring.



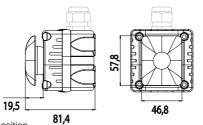




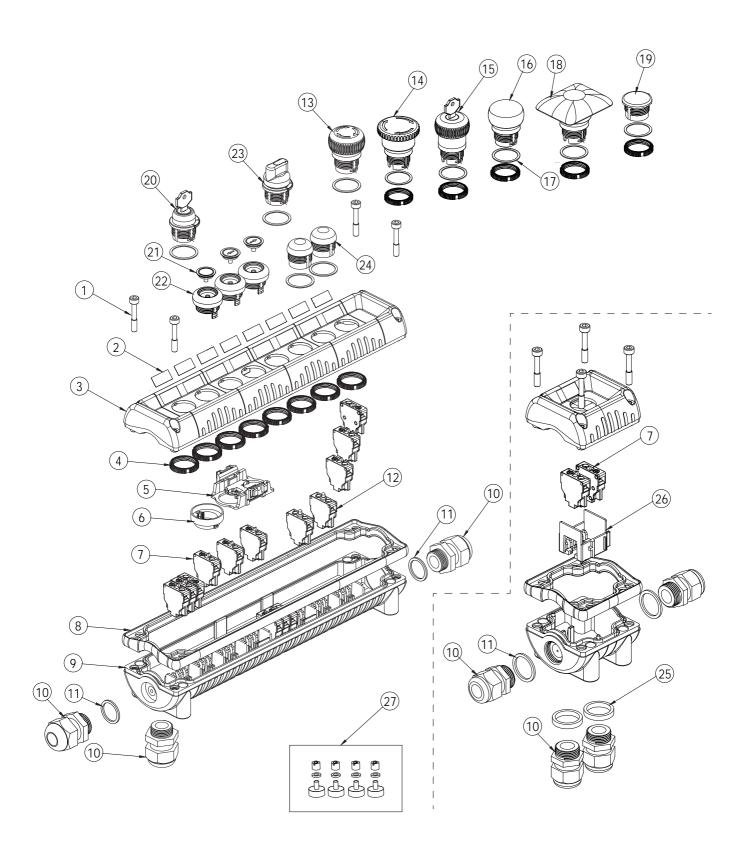




Rectangular Mushroom pushbutton (available only for Victor with 1 buttons)



Dimensions of all mushroom pushbuttons are in released position



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COMPONENTS

	SWITCHES			
Ref	DRAWING	DESCRIPTION	SCHEME	CODE
_		1NO single switch	E	PRSL1800PI
7	7	1NC single switch	[]	PRSL1801PI
10		LED element 24/48 V AC/DC	-	PRSL1820PI
12	12	LED element 110/230 V AC	-	PRSL1821PI

ACTUATORS

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

MUSHROOM PUSHBUTTONS

Ref	DRAWING	DESCRIPTION	HEAD COLOR	CODE
13+17+4	000	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	100	Key mushroom pushbutton	Red	PRSL1890PI
			Red	PRSL1885ROC
	\bigcirc		Blue	PRSL1885BLC
40.47.4		Impulse mushroom pushbutton	Yellow	PRSL1885GIC
16+17+4	ð	with black base	Green	PRSL1885VEC
	0		Orange	PRSL1885ARC
			Black	PRSL1885NEC
18+17+4		Rectangular Mushroom pushbutton	Red	PRSL1882PI
10+17+4		(available only for Victor with 1 buttons)	Black	PRSL1882NEC

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

Key selector switches

REF	DRAWING	Positions	Spring return	MAINTAINED POSITIONS	PULL-OUT POSITION	Code
		0/1	Х		0	PRSL1867PI
		071		Х	0	PRSL1868PI
Ø		4 / 0 / 4 · 0	Х		0	PRSL1869PI
	(°)	1/0/1+2		Х	0	PRSL1870PI
20+17+4)	0/1/1+2	Х		0	PRSL1871PI
20+17+4	00 -			Х	0	PRSL1872PI
		1 / 0 shares sure	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

SELECTOR SWITCHES

	-		Colo	R	
REF	DRAWING	Positions	TRANSPARENT	FULL	CODE
			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
Ø	A		Yellow		PRSL1856GI
23+17+4			Orange		PRSL1856AR
23+17+4	Ŏ	0 / 1 Spring return		White	PRSL1855BIC
	Q			Green	PRSL1855VEC
				Blue	PRSL1855BLC
				Red	PRSL1855ROC
				Yellow	PRSL1855GIC
				Orange	PRSL1855ARC
	-			White	PRSL1856BIC
				Green	PRSL1856VEC
		0 / 1		Blue	PRSL1856BLC
		Maintained		Red	PRSL1856ROC
				Yellow	PRSL1856GIC
				Orange	PRSL1856ARC

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SELECTOR SWITCHES

			Colo	R	8
REF	DRAWING	Positions	TRANSPARENT	FULL	CODE
			White		PRSL1857BI
			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
		1 / 0 / 2 Maintained		Green	PRSL1858VEC
				Blue	PRSL1858BLC
				Red	PRSL1858ROC
				Yellow	PRSL1858GIC
	B			Orange	PRSL1858ARC
23+17+4	Ŭ.		White		PRSL1863BI
	Ŏ		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
		1/1.0/0		Blue	PRSL1864BLC
		1 / 1+2 / 2 Maintained		Red	PRSL1864ROC
				Yellow	PRSL1864GIC
				Orange	PRSL1864ARC
			Orange	FROLIO04ARU	

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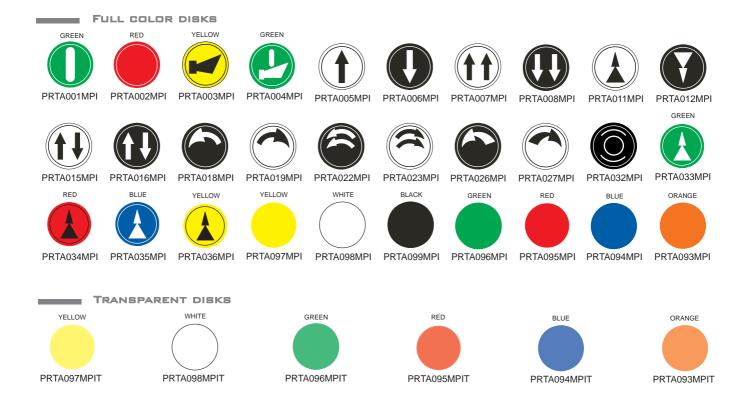
SELECTOR SWITCHES

B	D	8	Colo	Color	
REF	DRAWING	Positions	TRANSPARENT	FULL	CODE
			White		PRSL1859BI
			Green		PRSL1859VE
	0/1/1+2	Blue		PRSL1859BL	
	Spring return	Red		PRSL1859RO	
			Yellow		PRSL1859GI
			Orange		PRSL1859AR
			White		PRSL1860BI
		0 / 1 / 1+2	Green		PRSL1860VE
			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
		0 / 1 / 1+2 Maintained		Green	PRSL1860VEC
				Blue	PRSL1860BLC
			-	Red	PRSL1860ROC
	<u> </u>			Yellow	PRSL1860GIC
	B			Orange	PRSL1860ARC
23+17+4	Ö.		White		PRSL1861BI
	Ŏ		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
			Yellow		PRSL1862GI
			Orange		PRSL1862AR
				White	PRSL1861BIC
				Green	PRSL1861VEC
		1 / 2 Spring return		Blue	PRSL1861BLC
		g		Red	PRSL1861ROC
				Yellow	PRSL1861GIC
				Orange	PRSL1861ARC
				White	PRSL1862BIC
				Green	PRSL1862VEC
		1/2		Blue	PRSL1862BLC
		Maintained		Red	PRSL1862ROC
				Yellow	PRSL1862GIC
				Orange	PRSL1862ARC

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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	8 8 8 9 9 9 9	Magnetic mounting kit	PRSL1851PI





EMPTY CONTROL STATIONS

	N. OF BUTTONS	GREY UPPER COVER	YELLOW UPPER COVER	BALCK UPPER COVER	CODE
		Х			F71EG00000000001
	1		Х		F71EY00000000001
	-			Х	F71EB00000000001
		Х			F71FG00000000001
	2		х		F71FY00000000001
	-			Х	F71FB00000000001
		Х			F71GG00000000001
	3		Х		F71GY00000000001
-	-			Х	F71GB00000000001
		х			F71HG00000000001
	4 -			Х	F71HB00000000001
		Х			F71IG00000000001
	6 -			х	F71IB00000000001
	â	Х			F71JG00000000001
	8 -			х	F71JB00000000001

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STANDARD CONTROL STATIONS

Standard control stations are supplied with a cable clamp.

1 ACTUATOR

04032014-11

	TYPE OF ACTUATOR	GREY UPPER COVER	YELLOW UPPER COVER	BALCK UPPER COVER	Code
	Latched mushroom pushbutton PRSL1801PI switch 1NC	X			F71EG10000000001
			Х		F71EY10000000001
	 12			Х	F71EB10000000001
	Key mushroom pushbutton	X			F71EG1000000002
0	PRSL1801PI switch 1NC		Х		F71EY1000000002
	 12			Х	F71EB1000000002
	Impulse mushroom pushbutton	Х			F71EG1000000003
	PRSL1801PI switch 1NC		Х		F71EY1000000003
	 12			Х	F71EB1000000003
	2 positions selector switches PRSL1800PI switch	Х			F71EG00000001001
	1NO 1 ³		Х		F71EY00000001001
	E) 14			Х	F71EB00000001001
	3 positions selector switches N.2 PRSL1800PI switches	Х			F71EG00000001002
	1NO + 1 NO		Х		F71EY00000001002
				Х	F71EB00000001002

	Type of Act	GREY UPPER COVER	Yellow Upper Cover	BALCK UPPER COVER	Code	
	Latched mushroom pushbutton PRSL1801PI switch	Start button PRSL1800PI switch	Х			F71FG11000000001
8	1NC 11 F 5	1NO 13 E		Х		F71FY11000000001
	12	14			Х	F71FB11000000001
	Key mushroom pushbutton PRSL1801PI switch	Start button PRSL1800PI switch	Х			F71FG1100000002
8	1NC	1NO		х		F71FY1100000002
-	12	14			Х	F71FB1100000002
	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71FG00020000001
8	1NO 13 F 1	1NO		х		F71FY00020000001
					х	F71FB00020000001

3 ACTUATORS

	TYPE OF ACTUATORS					BALCK UPPER COVER	Code	
	Latched mushroom pushbutton PRSL1801PI switch	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG10020000001	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		1NO		Х		F71GY10020000001	
_			E			Х	F71GB10020000001	
	Key mushroom pushbutton PRSL1801PI switch	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG10020000002	
	1NC	1NO 13	1NO		Х		F71GY10020000002	
3	12	E) 14	L1 14			Х	F71GB10020000002	
	2 positions selector switches PRSL1800PI switch	White button PRSL1800PI switch	Black button PRSL1800PI switch	Х			F71GG00020001001	
O I	1NO 13	1NO ¹³ E \	1NO 13 F 1		Х		F71GY00020001001	
_	[] 14	14	14			Х	F71GB00020001001	
	3 positions selector switches N.2 PRSL1800PI switches	N.2 PRSL1800PI switches PRSL1800PI switch		Х			F71GG00020001002	
00	1NO + 1 NO 1NO 1NO 1NO 1NO 1NO 1NO 1NO 1NO 114 14	1NO		Х		F71GY00020001002		
Ľ,		14	14			Х	F71GB00020001002	

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VICTOR - REQUEST FORM FOR NON STANDARD CONTROL STATIONS

					TOR 1 2TOR 2 2TOR 3 2TOR 4 2TOR 6 2TOR 8
Instructions		_	_		
(See next page for list of components and legends)		2	3	5 _v g	
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	
Control elements: enter the number corresponding to the control element required (1 to 39) according to the legend. Eg. 25			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.					
5 Switches and LEDs: enter the number corresponding to the switch or LED required (90 to 93) 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.					
Selector switches can activate only two switches and possibly a LED.					' '
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)					
6 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.					
Magnetic version: tick the box if you require magnetic mounting case				MI	
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.					
Com Com	Cover	7	ck 🗌 Yello	SIL 1 certifi	ed 8
	Adhesiv		9 Cormon	Magnetic ve	er SION
	Sym		German		10
:	Italia		French		
	Engl	isn	Spanish	I	

VICTOR - Legend - Control elements

* SWITCH ACTIVATION

It is possible to mount up to 3 switches for each control element. The chart on the right of each pushbutton or selector switch specifies which position activates the switch on the top, in the middle or on the bottom. If the selector switches are mounted with the lever facing downwards, then the the activation of the switches is reversed. Eg.: 2 speed pushbutton: the first speed activates the switches on the top and in the middle, while the second speed activates the switch on the bottom.

Pushbuttons

1

It is possible to mount up to three switches for each button. LEDs can be mounted only in the middle.

Toggle selector switches

It is possible to mount only two switches for each selector. In the middle it is possible to mount only the LED for illuminated selector switches.

Key selector switches

It is possible to mount only two switches for each selector, and no switch/LED in the central position.

switch	mum	inaleu selecio	3 3 3 1 6 3.		SWITCH					SWIT	
ACTIVATION*					ACTIVATION*						VATION*
1 1 speed speed 1 pushbutton speed 1 speed 1 speed 1	15	15 0 / 1 pos 1 pos 1			30	0 / 1 spring re key out ii	eturn n position	0	NA	pos 1 pos 1	
2 2 speed speed 1 pushbutton speed 1 speed 2	16	0 / 1 maintained	positions		pos 1	31		ned position		NA	pos 1 pos 1
1 speed speed 1 3 illuminated LED pushbutton speed 1	17	1/0/2 spring return	n		pos 1 pos 2	32	1 / 0 / 2 spring re key out ir	turn n position	0	NA	pos 1 pos 2
Mushroom pushbuttons	18 1 / 0 / 2 maintained positions pos 1 pos 2				- ·	33	1 / 0 / 2 maintained positions key out in position 0			NA	pos 1 pos 2
Latched mushroom pushbutton for	19	1 / 1+2 / 2 spring return	ı		pos 1 and 1+2 pos 2 and 1+2	34	0 / 1 / 1+2 spring return key out in position 0			NA	pos 1+2 pos 1 and 1+2
emergency stop 5 Latched mushroom pushbutton for emergency stop	20	1 / 1+2 / 2 maintained p	positions		pos 1 and 1+2 pos 2 and 1+2	35		⊦2 ned positio in position		NA	pos 1+2 pos 1 and 1+2
Ø 40 mm 6 Key mushroom pushbutton	21	0 / 1 / 1+2 spring return	٦		pos 1+2 pos 1 and 1+2	36	spring re	ange-over eturn in position		NA	pos 1 pos 2
7 Impulse mushroom pushbutton with black base	22	0 / 1 / 1+2 maintained	positions		pos 1+2 pos 1 and 1+2	37	maintain	ange-over ned positic in position		NA	pos 1 pos 2
 8 Rectangular red mushroom pushbutton 9 Rectangular black mushroom pushbutton 	23	1 / 2 spring return	1		pos 1 pos 2	38	spring return NA				pos 1 and 1+2 pos 2 and 1+2
11 Pilot light	24 1 / 2 maintained positions				pos 1 pos 2	39		2 ed positions n position 1		NA	pos 1 and 1+2 pos 2 and 1+2
	-										
12 Blanking plug											
Legend - Button disks and	nd co	lors									
2 Legend - Button disks an		-	1 and 2])			-	Transpa	rent disks	for	
		-	1 and 2) 	WHITE				rent disks ted button		f. 3)
2 Legend - Button disks an Full color and symbol disks for p		uttons (ref.			о WHITE 74	78	BLUE			s (ref	GREEN
2 Legend - Button disks an Full color and symbol disks for p	bushb	uttons (ref. [2] (66) [66			74	78	BLUE	illumina	ted button	s (ref	
2 Legend - Button disks an Full color and symbol disks for p 50 54 58 1	bushb	uttons (ref. 2 66 3 67 67			74 O	78 OF	RANGE	Illuminat YELLOV 80	W WHIT 82	s (ref	GREEN
2 Legend - Button disks an Full color and symbol disks for p 50 6 54 6 58 6 51 6 55 6 59 6 YELLOW	bushb 62 63 64	uttons (ref. 2 66 3 67 6 67 6 68		70 BLUE 71 OF	74 BLACK 75 GREEN 76	78 OF	RANGE	YELLOV 80 RED	82 BLU	s (ref	GREEN 84 ORANGE
2 Legend - Button disks an Full color and symbol disks for p 50 600 54 100 58 100 51 55 100 59 100 Yellow 52 100 56 100 60 100 GREEN	bushb 62 63 63 64 65	uttons (ref. 2 66 3 67 4 67 5 68 6 69		70 FILLO FILO FILLO	74 BLACK 75 GREEN 76 RED	78 OF	RANGE	YELLOV 80 RED	Ked button W WHIT 82 BLU 83 Legend	s (ref	GREEN 84 ORANGE 85 6
2 Legend - Button disks an Full color and symbol disks for p 50 600 54 100 58 100 51 600 100 52 100 55 100 59 100 52 100 56 100 60 100 53 100 57 100 61 100	0 62 0 63 0 64 0 65 0 65 0 65	uttons (ref. 2 66 3 67 4 67 5 68 6 69 6 69 nushrooms 69	GREEN GREEN GREEN GREEN GREEN	70 FILLO FILO FILLO	74 BLACK 75 GREEN 76 77 RED 77 0 77	78 79	RANGE	80 RED 81	Legend Switche	s (ref	GREEN 84 ORANGE 85 6
2 Legend - Button disks an Full color and symbol disks for p 50 610 54 60 60 10 7ELLOW 52 66 60 10 7ELLOW 53 66 60 10 57 61 $103 Legend - Color of selectorNon-illuminated toggle selector(ref. 15 to 24)$	0 62 0 63 0 64 0 65 0 65 0 65 0 65 0 65	uttons (ref. 2 66 3 67 4 67 5 68 6 69 6 69 1 60 6 69 1 69 6 69 1 60 6 69 1 60 1 69 1 60	GREEN GREEN GREEN S, pilot lig Umpulse with bla	70 FILLO FILO FILLO	74 75 BLACK 75 CREEN 76 76 77 77 77 77 77 77 77 77	78 79 ton	RANGE	80 RED 81	Keed button Keed Ball Keed Ball	s (ref	GREEN 84 ORANGE 85
2 Legend - Button disks at Full color and symbol disks for p 50 6 54 6 58 6 51 6 55 6 59 6 52 6 56 6 60 6 53 6 57 6 60 6 53 Legend - Color of selector Non-illuminated toggle selector (ref. 15 to 24.) RP Red BP Blue	0 62 0 63 0 64 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65 0 65	uttons (ref.	GREEN GREEN	70 71 71 72 72 72 72 73 73 73 73 73 73 73 73 73 73	74 75 8 75 8 8 8 8 8 8 8 8 8 8 8 8 8	78 79 ton	Orange	illuminat YELLOV 80 RED 81 90	Legend Switche PRSL1800 1NO switch	s (ref	GREEN 84 ORANGE 85
2 Legend - Button disks an Full color and symbol disks for p 50 610 54 60 60 10 7ELLOW 52 66 60 10 7ELLOW 53 66 60 10 57 61 $103 Legend - Color of selectorNon-illuminated toggle selector(ref. 15 to 24)$	0 62 0 63 0 64 0 65 0 65 0 65 0 65 0 65	uttons (ref. 2 66 3 67 4 67 5 68 6 69 6 69 1 60 6 69 1 69 6 69 1 60 6 69 1 60 1 69 1 60	GREEN GREEN	70 FILLO FILO FILLO	74 75 BLACK 75 CREEN 76 76 77 77 77 77 77 77 77 77	78 79 ton	RANGE	VELLOV 80 81 81	Keed button Keed Ball Keed Ball	s (ref	GREEN 84 ORANGE 85
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TER Tecno Elettrica Ravasi srl

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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.
- 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).
 Tape the stripped part of the cable.
- 7. Tighten the cable clamp (6) to fasten the multi-pole cable.
- 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).
- 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

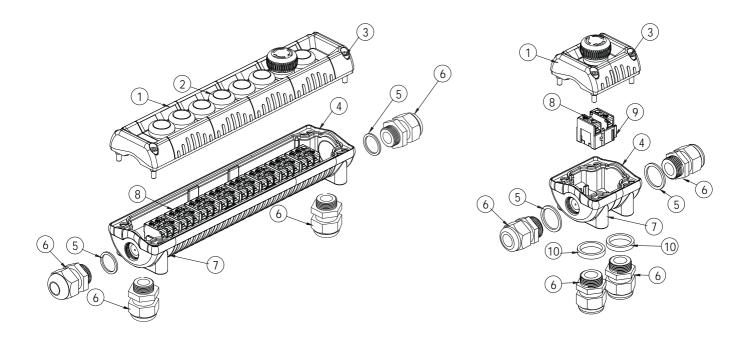
Technical Specifications UL Code Victor certified UL = F81XXXXXXXXXXXXXXX = F82XXXXXXXXXXXXXXX Category = NKCR / NKCR7 Contact Blocks Rating = A600, Q600 LED PRSL1821PI Rating = 110 - 240VAC, 1.15 - 2.50 mA LED PRSL1820PI Rating = 24 - 48 VDC/AC, 1.30 - 2.70 mA Environmental Rating = Type 1, 4 and 4X 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 = 🖤

Emergency Stop Button

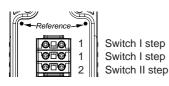
Category = NISD3 Code = PRSL1880P1, PRSL1881PI Contact Blocks = PRSL1801PI (A600, Q600) Optional Contact Blocks = PRSL1800PI (A600, Q600)

Code = PRSL1890PI Contact Blocks = PRSL1801PI (A600, Q600)

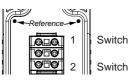
These unlisted component emergency stop buttons are intended for use within TECNO ELETTRICA RAVASI S R L Listed (NKCR) Mike and Victor pushbutton stations.



SWITCH ACTIVATION



Pushbutton 2 steps



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

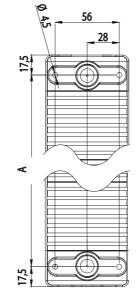




1NO switch

1NC switch





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

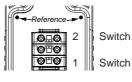
The data and the products illustrated in this brochure may be modified without notice. Under no circumstances can their description have a contractual value.



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20102014-16



Selector 0/1/1+2

Z) Switch **O**HO **O**e 000 1 Switch

Selector 0/1