

## Control Pendants

### SIMBAL Type GV Control Pendants

#### Type GV Pendants

SIMBAL 'GV' Control pendants provide a reliable and cost effective solution for the control of most types of moving machinery including overhead cranes, electric hoists, conveyors, electric doors and many other applications where start / stop commands are required.

Buttons are arranged in either a single row with a maximum of 12 buttons or in double row up to 16 buttons, motion buttons can be either single pressure or dual pressure for control of 2 speed motors, each button can operate up to 3 contacts with any combination of N/O and N/C.



#### Features & Options

- Pendants available from 2 button up to 16 buttons
- Low Voltage & Mains voltage units available
- Full range of buttons, switches, lights etc.
- IP65 Enclosures as standard
- EC 947-5-1, EN60947-5-1, UL508 approved
- IEC 204-1, EN60204-1, EN ISO 13850 class 5 compliant
- Some units carry UL approval - please check





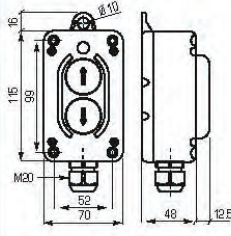





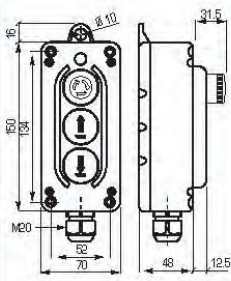




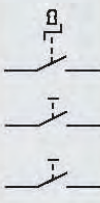
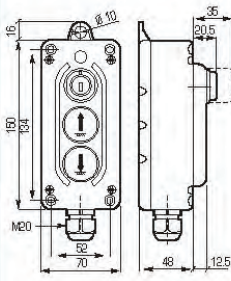




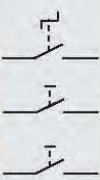
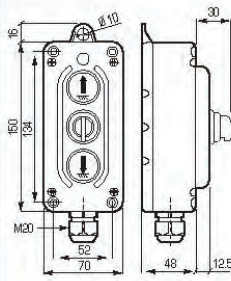
Details of type 'GV' pendants can be seen on the following pages.



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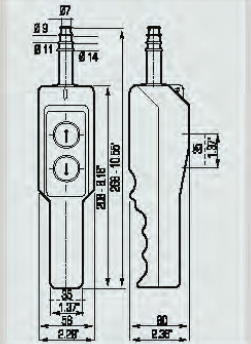




### GV-TLP Small Wall Mounted Pendant Controllers

ENGRAVING	DESCRIPTION	SCHEMI	CODE	WEIGHT gr	DIMENSIONS
	  <p>No. 2 push buttons up and down</p>		TLP2	200	
	   <p>No. 1 emergency stop ø30 twist to release with 1NC contact x button</p> <p>No.2 push buttons up and down with 1 no. contact x button</p>		TLP3.B	255	
	   <p>No. 1 key switch with 1 no. contact x button</p> <p>No.2 push buttons up and down with 1 no. contact x button</p>		TLP3.C	255	
	   <p>No. 1 knob selector switch with 1 no. contact x button</p> <p>No.2 push buttons up and down with 1 no. contact x button</p>		TLP3.D	255	



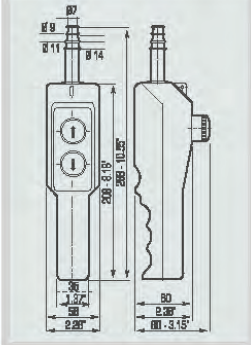

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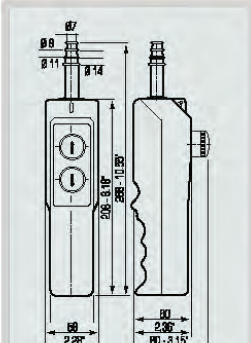
## SIMBAL Type GV Control Pendants

### GV-PO2, PO2K & PTRM Small Pendant Controllers

PO2	ENGRAVING	DESCRIPTION	CODE	WEIGHT gr	DIMENSIONS	
	 	For single speed motor control No.2 push buttons with 1 NO contact	PO2.1	230		
		No.2 push buttons with 2 NO contact	PO2.2	250		
		No.2 push buttons with 1NC+1NO contact	PO2.4	250		
	 	For two speeds motor control No.2 push buttons with NO contacts	PO2.D2	250		
		 	For 1kW single phase motor control No.2 push buttons with 1NC+1NO contacts blocks	PO2.CD		230

Code PO2K, enclosures in kit for contact blocks and operators, see codes to page 19; for assembly instructions, see page 15.

		For single speed motor control No.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PO2.RM	230	
		No.1 two way and off switch with spring return 16A-250V ac 1/2 HP			





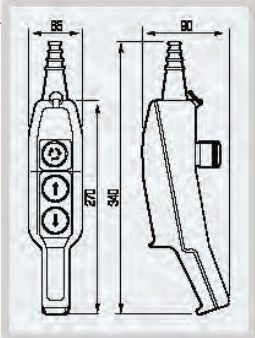
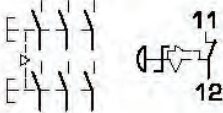
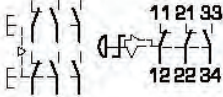
PTRM	ENGRAVING	DESCRIPTION	CODE	WEIGHT gr	DIMENSIONS
	 	For single speed motor control  Arranged execution for capacitor 45 x 90 Ømax	PTRM	230	
		No.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release			
		No.1 two way on and off switch with spring return 16A - 250V ac 1/2 HP			







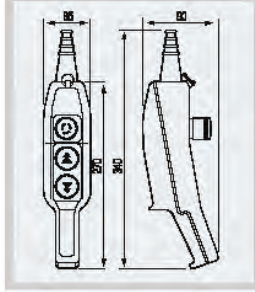
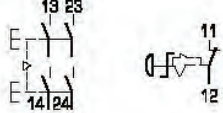
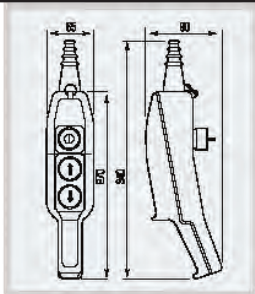
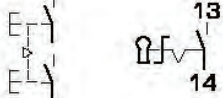
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### GV-PO3 Pendant Controllers for Hoist and Similar Applications

PO3	ENGRAVING	DESCRIPTION	CODE	WEIGHT gr	DIMENSIONS
 <p>2 directions mechanically interlocked</p>	  	<p>For single speed motor control</p> <p>No.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release with:</p> <p>No.2 push buttons with 1 NO contact</p> <p>No.2 push buttons with 2 NO contacts</p> <p>No.2 push buttons with 3 NO contacts</p>	<p>PO3.1</p> <p>PO3.2</p> <p>PO3.3</p>	<p>440</p> <p>450</p> <p>460</p>	
		<p>For 1kW single phase motor control</p> <p>No.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release with:</p> <p>No.2 push buttons with 2 NO+1NC contacts</p>	<p>PO3CD</p>	<p>460</p>	
					






Code PO3K, enclosures in kit for contact blocks and operators, see codes to page 19; for assembly instructions, see page 15.

	  	<p>For double speed motor control</p> <p>No.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release with:</p> <p>No.2 push buttons with 2 NO contacts</p>	<p>PO3D2</p>	<p>460</p>	
	<p>For single speed motor control</p> <p>No.1 key switch 0-190° switching with:</p> <p>No.1 push buttons with 1 NO contact</p> <p>No.2 push buttons with 1 NO contact</p>	<p>PO3CH</p>	<p>460</p>		
					

# Control Pendants

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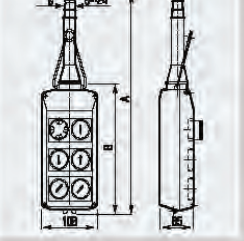
### GV-PL Single Row Pendant Controllers for Overhead Cranes, Hoists & Similar Applications

No. PUSH BUTTONS		DESCRIPTION	CODE	WEIGHT gr	
	4 + 1	For single speed motor control 4 mechanically interlocked between pairs + no.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PL05	560	
	4 + 1	For two speed motor control 4 mechanically interlocked between pairs + no.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	No. of 2 speed movements 2	PL05D2	590
4			PL05D4	620	
	6 + 1	For single speed motor control 6 mechanically interlocked between pairs + no.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PL07	740	
	6 + 1	For two speed motor control 6 mechanically interlocked between pairs + no.1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	No. of 2 speed movements 2	PL07D2	590
4			PL07D4	620	
6			PL07D6	830	
	6 + 2	For single speed motor control 6 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PL08	830	
	6 + 2	For two speed motor control 6 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	No. of 2 speed movements 2	PL08D2	860
4			PL08D4	890	
6			PL08D6	920	
	8 + 2	For single speed motor control 8 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PL10	990	
	10 + 2	For two speed motor control 10 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PL12	1.140	
	DIMENSIONS			Push button colours ■ Black and White ■ Green Start/Alarm ■ Red Emergency	
	No. PUSH BUTTONS	CODE	A		B
	4	PL05	345		288
	6	PL07	495		XXX
	8	PL08	530		XXX
10	PL10	840	XXX		
12	PL12	710	XXX		

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## SIMBAL Type GV Control Pendants



### GV-PLB Double Row Pendant Controllers for Overhead Cranes, Hoists & Similar Applications


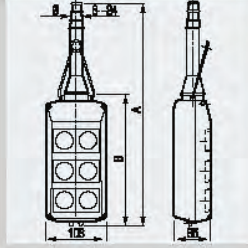
	No. PUSH BUTTONS	DESCRIPTION	CODE	WEIGHT gr	
	2 + 2	For single speed motor control 2 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PLB04	560	
	2 + 2	For two speed motor control 2 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	No. of 2 speed movements 2 PLB04D2	590	
	4 + 2	For single speed motor control 4 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PLB06	560	
	4 + 2	For two speed motor control 4 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	No. of 2 speed movements 2	PLB06D2	690
			4	PLB06D4	720
	6 + 2	For single speed motor control 6 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PLB08	840	
	6 + 2	For two speed motor control 6 mechanically interlocked between pairs + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	No. of 2 speed movements 2	PBL08D2	870
			4	PLB08D4	900
			6	PLB08D6	1.030
	8 + 2	No. mechanically interlocked between pairs 8 For single speed motor control + 1 start/alarm + 1 emergency stop EN ISO 13850 mushroom Ø30 turn to release	PLB10	1.150	
	10 + 2		PLB12	1.270	
	12 + 2		PLB13	1.390	
	DIMENSIONS				Push button colours ■ Black and White ■ Green Start/Alarm ■ Red Emergency
	No. PUSH BUTTONS	CODE	A	B	
	4	PLB04	345	185	
	6	PLB06	399	239	
	8	PLB08	453	293	
	10	PLB10	547	347	
12	PLB12	601	401		
14	PLB14	655	455		

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### GV-PL Pendant Enclosures for Special Applications

PL – SINGLE ROW	DESCRIPTION	CABLE ENTRY	CODE	WEIGHT gr	MIN PACK QTY	DIMENSIONS																			
	Pendant station with 5 holes	7 - 18	PL05K	410	1		<table border="1"> <thead> <tr> <th>No. XXX</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>345</td> <td>288</td> </tr> <tr> <td>6</td> <td>495</td> <td>358</td> </tr> <tr> <td>8</td> <td>530</td> <td>393</td> </tr> <tr> <td>10</td> <td>640</td> <td>483</td> </tr> <tr> <td>12</td> <td>710</td> <td>533</td> </tr> </tbody> </table>	No. XXX	A	B	4	345	288	6	495	358	8	530	393	10	640	483	12	710	533
	No. XXX		A	B																					
	4	345	288																						
	6	495	358																						
	8	530	393																						
10	640	483																							
12	710	533																							
Pendant station with 7 holes	PL07K	540	1																						
Pendant station with 8 holes	PL08K	600	1																						
Pendant station with 10 holes	9 - 21	PL10K	700	1																					
Pendant station with 12 holes	PL12K	800	1																						

PL – DOUBLE ROW	DESCRIPTION	CABLE ENTRY	CODE	WEIGHT gr	MIN PACK QTY	DIMENSIONS																						
	Pendant station with 4 holes	9 - 21	PLB04K	410	1		<table border="1"> <thead> <tr> <th>No. XXX</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>345</td> <td>185</td> </tr> <tr> <td>6</td> <td>399</td> <td>239</td> </tr> <tr> <td>8</td> <td>453</td> <td>293</td> </tr> <tr> <td>10</td> <td>547</td> <td>347</td> </tr> <tr> <td>12</td> <td>601</td> <td>401</td> </tr> <tr> <td>14</td> <td>855</td> <td>455</td> </tr> </tbody> </table>	No. XXX	A	B	4	345	185	6	399	239	8	453	293	10	547	347	12	601	401	14	855	455
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14	855	455																										
Pendant station with 6 holes	PLB06K	510	1																									
Pendant station with 8 holes	PLB08K	610	1																									
Pendant station with 10 holes	12 - 24	PLB10K	710	1																								
Pendant station with 12 holes		PLB12K	810	1																								
Pendant station with 14 holes		PLB14K	910	1																								

#### Kits include

- Pendant stations (box, screws, gasket)
- Cable sleeve
- Cable clamp
- Suspension ring
- Push button interlock

#### NOT included

- Contact block
- Push buttons














These components must be purchased separately.



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### GV-PL Buttons Switches, etc. for Special Applications

<b>Contact Blocks</b>  <table border="1"> <tr> <td>1 NC</td> <td>PL004001</td> </tr> <tr> <td>1 NO</td> <td>PL004002</td> </tr> </table>		1 NC	PL004001	1 NO	PL004002	<b>Multi-Speed Contact Blocks</b>  <table border="1"> <tr> <td>A 2 VEL. NO+NO</td> <td>PL004010</td> </tr> <tr> <td>1 NO + 1 NO</td> <td></td> </tr> </table>		A 2 VEL. NO+NO	PL004010	1 NO + 1 NO		<b>Lamp Holders</b>  <table border="1"> <tr> <td>BA9s</td> <td>PL004007</td> </tr> </table>		BA9s	PL004007	<b>Lens Cap</b>  <table border="1"> <tr> <td>1</td> <td>2</td> <td rowspan="3">PL00800</td> </tr> <tr> <td>3</td> <td>4</td> </tr> <tr> <td>5</td> <td></td> </tr> </table>		1	2	PL00800	3	4	5				
1 NC	PL004001																										
1 NO	PL004002																										
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<b>Key Switch</b>  <table border="1"> <tr> <td>0 - 1</td> <td>PL006001</td> </tr> <tr> <td>1-0-2</td> <td>PL006002</td> </tr> </table>		0 - 1	PL006001	1-0-2	PL006002	<b>Rotary Switch</b>  <table border="1"> <tr> <td>0 - 1</td> <td>PL007001</td> </tr> <tr> <td>1-0-2</td> <td>PL007002</td> </tr> </table>		0 - 1	PL007001	1-0-2	PL007002	<b>Mushroom Operator</b> Ø30 turn to release EN ISO 13850  <table border="1"> <tr> <td>with vision</td> <td>PL013001</td> </tr> <tr> <td>standard</td> <td>PL013002</td> </tr> </table>		with vision	PL013001	standard	PL013002	<b>Mushroom Operator</b> Ø40  <table border="1"> <tr> <td>PL013003</td> </tr> </table>		PL013003							
0 - 1	PL006001																										
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<b>Push Button</b>  <table border="1"> <thead> <tr> <th>Colour</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>■</td> <td>PL005034</td> </tr> <tr> <td>□</td> <td>PL005035</td> </tr> <tr> <td>■</td> <td>PL005036</td> </tr> <tr> <td>■</td> <td>PL005037</td> </tr> <tr> <td>■</td> <td>PL005038</td> </tr> <tr> <td>with engraving</td> <td>PL0050 ...??</td> </tr> </tbody> </table>		Colour	Code	■	PL005034	□	PL005035	■	PL005036	■	PL005037	■	PL005038	with engraving	PL0050 ...??	<b>Coupling Plate</b>  <table border="1"> <tr> <td>2 Holes</td> <td>PL003001</td> </tr> <tr> <td>3 Holes</td> <td>PL003002</td> </tr> </table>		2 Holes	PL003001	3 Holes	PL003002	<b>Interlock</b>  <table border="1"> <tr> <td>Top</td> <td>PL011001</td> </tr> <tr> <td>Bottom</td> <td>PL011002</td> </tr> </table>		Top	PL011001	Bottom	PL011002
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3 Holes	PL003002																										
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<b>Cable Clamp Lever</b>  <table border="1"> <tr> <td>PL012001</td> </tr> </table>		PL012001	<b>Cable Sleeve</b> <table border="1"> <thead> <tr> <th>Version</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>PO2 - PTRM For cable Ø 7 ... 14</td> <td>12906011</td> </tr> <tr> <td>PO3 - PL05 For cable Ø 7 ... 18</td> <td>12906006</td> </tr> <tr> <td>PL07 ... PL12 &amp; PLB04 - PLB06 For cable Ø 9 ... 21</td> <td>12906004</td> </tr> <tr> <td>PLB08 - PLB14 For cable Ø 12 ... 24</td> <td>12906005</td> </tr> </tbody> </table>		Version	Code	PO2 - PTRM For cable Ø 7 ... 14	12906011	PO3 - PL05 For cable Ø 7 ... 18	12906006	PL07 ... PL12 & PLB04 - PLB06 For cable Ø 9 ... 21	12906004	PLB08 - PLB14 For cable Ø 12 ... 24	12906005													
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We reserve the right to amend all technical details without prior notification

