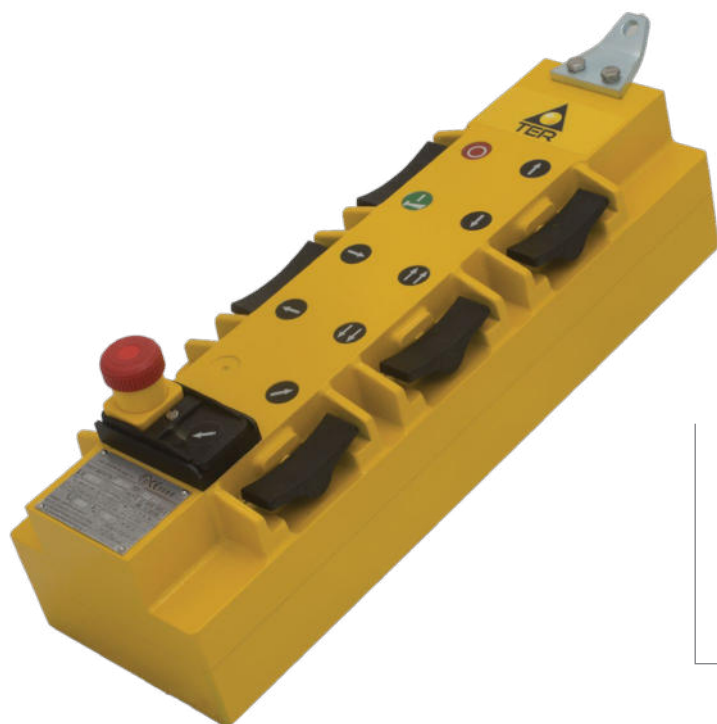# SPA EXPLOSION PROOF
HAZARDOUS AREAS
Pendant control station

Explosion proof pendant control station for auxiliary control. Rugged, sturdy and reliable, SPA Explosion Proof is designed for heavy industry in potentially explosive areas.

FEATURES

• Enclosures with actuators placed on a double row to enable grouping of a large number of functions in a single control.
• The emergency stop mushroom pushbutton complies with standard EN418.
• Mechanical life of switches: 1 million operations.
• IP protection degree: SPA Explosion Proof is classified IP66.
• Extreme temperature resistance: -20°C to +55°C.
• It features solid but light weight body made of aluminum, or stainless steel AISI 316 or chrome-plated cast-iron (optional versions), resistant to temperature changes and corrosive environments.

OPTIONS

• Available in configurations from 2 to 12 actuators, arranged on a double row.
• 1 or 2 speed switches with NO or NC contacts.
• Mechanical interlock to prevent simultaneous operation of opposite functions.

CERTIFICATIONS

• CE marking.
• Atex certification EN 60079-0: 2012+A1: 2013, EN 60079-1 Ed.7: 2014, EN 60079-31:2014.
• Conformity to Standards IECEx IEC 60079-0: 2011, IEC 60079-1: 2014, IEC 60079-31: 2014.

Fill in the "request form" to configure properly the product.

UK Distributor

metreel

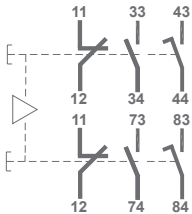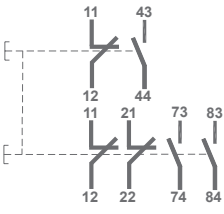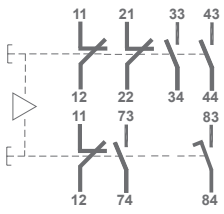Tel: 0115 932 7010 | Email: sales@metreel.co.uk
www.metreel.co.uk

WE CARE

CERTIFICATIONS

|	
Conformity to Atex Standards	EN 60079-0:2012 + A1:2013 Explosive atmospheres - Equipment - General requirements
	EN 60079-1 Ed.7 :2014 Explosive atmospheres - Equipment protection by flameproof enclosures 'd'
	EN 60079-31:2014 Explosive atmospheres - Equipment dust ignition protection by enclosure "t"
Conformity to IECEx Standards	IEC 60079-0:2011 Explosive atmospheres - Equipment - General requirements
	IEC 60079-1:2014 Explosive atmospheres - Equipment protection by flameproof enclosures 'd'
	IEC 60079-31:2014: Explosive atmospheres - Equipment dust ignition protection by enclosure "t"
Atex Certification	INERIS 12ATEX0085X
IECEx Certification	IECEx INE 12.0059X
Type of protection	Ex d IIB/IIC T6 Gb Ex tb IIIC T85°C Db IP66
Conformity to Community Directives	2014/34/EU (ATEX)
	2014/30/EU Electromagnetic Compatibility
	2006/42/CE Machinery Directive
	2014/35/EU Low Voltage Directive
Markings and homologations	CE 0080 ⟨Ex⟩ II 2 G II 2 D IEC IECEx

GENERAL TECHNICAL SPECIFICATIONS

Operational ambient temperature	-20°C/+55°C
IP protection degree	IP 66
Operating positions	Any position

TECHNICAL SPECIFICATIONS OF THE SWITCHES

Code	PRSL0075XX	PRSL0076XX	PRSL0090XX
Utilisation category	AC 15		
Rated operational current	1.9 A		
Rated operational voltage	380 Vac		
Rated thermal current	10 A		
Rated insulation voltage	500 Vac		
Mechanical life	1×10^6 operations		
Switch type	2 speed switch + 2 speed switch	1 speed switch + 1 speed switch	1 speed switch + 2 speed switch
Contacts	1NC+1NO+1NO 1NC+1NO+1NO	1NC+1NO 2NC+2NO	2NC+2NO 1NC+1NO+1NO
Scheme			
Markings and homologations	CE c(UL)us		CE

OVERALL DIMENSIONS (mm)

2 - 8 actuators

M32 x 1.5

320

135

99

10 - 12 actuators

M32 x 1.5

424

135

99
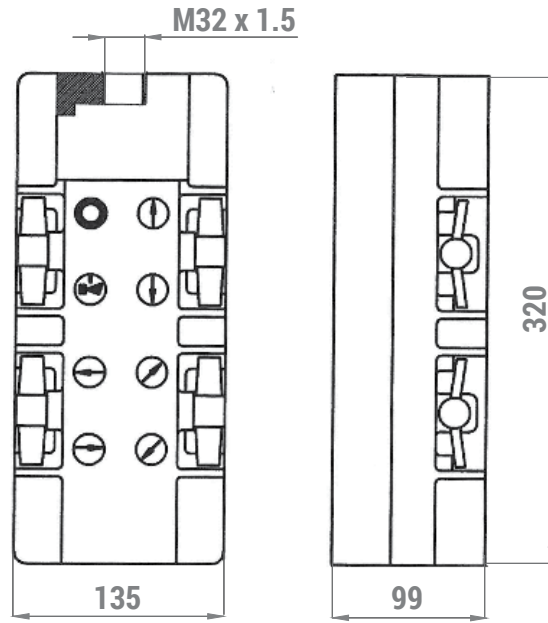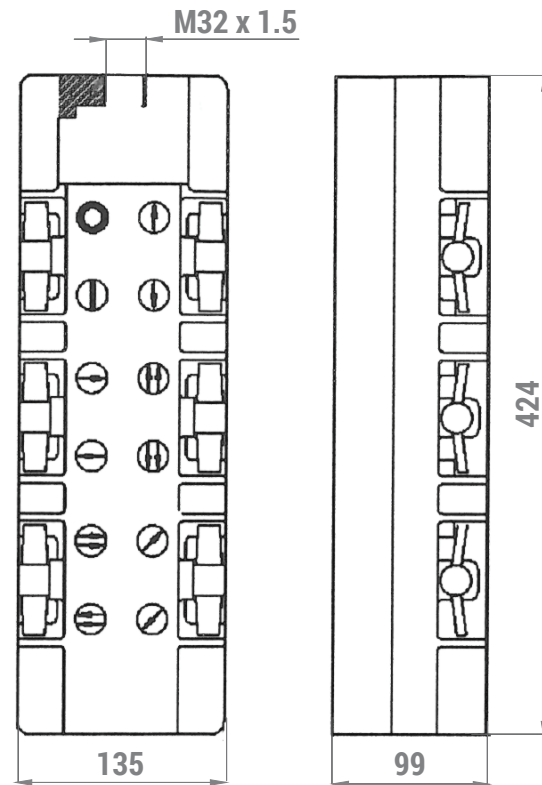
SPA EXPLOSION PROOF - REQUEST FORM FOR CONTROL STATION

Instructions

Fill in the chart according to the number of control elements required (2, 4, 6, 8, 10 or 12 buttons).

1 **Protection:** tick the box corresponding to the type of protection required.

2 **Control elements**: enter in the broken-line box the number corresponding to the control element required (from ☐1 to ☐13) according to the legend.

If you choose **buttons with arrows**, mark the direction of the arrow into the corresponding box Eg. ☐↗

ATTENTION: buttons with opposite functions (eg.: up/down) must be vertically coupled in columns.

When mounting **mushroom pushbuttons** or **selector switches**, the corresponding rocker button is disabled.

Depending on the functions of the control elements chosen, either 1 speed or 2 speed **switches** will be used.

3 **Optionals:** tick the box corresponding to the eventual optionals required.

Protection **1**

☐ Ex II 2 G   II 2 D
Ex d IIB T6 Gb or Ex d IIC T6 Gb
Ex tb IIIC T85°C Db IP66
Enclosure group II B

☐ Ex II 2 G   II 2 D
Ex d IIB T6 Gb or Ex d IIC T6 Gb
Ex tb IIIC T85°C Db IP66
Enclosure group II C

Control elements **2**

ATTENTION: depending on the functions of the control elements chosen, either 1 speed or 2 speed **switches** will be used.

☐1 Emergency stop mushroom pushbutton

☐2 Selector switch - 2 maintained positions 0/1

☐3 Selector switch - 3 maintained positions 0/1/2

☐4 Key selector switch - 2 maintained positions 0/1

1 speed button

☐5 GREEN ☐6 GREEN ☐7 RED ☐8 YELLOW ON / OFF LIGHTS
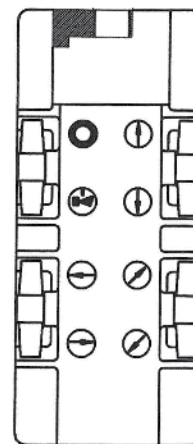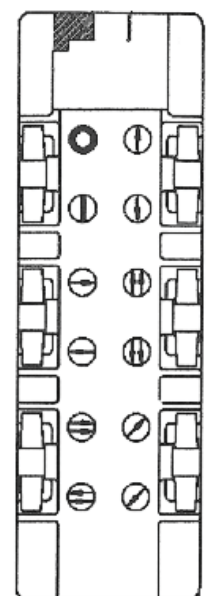
☐9 WHITE ☐10 ☐11 ☐12

2 speed button

☐13

Optionals **3**

☐ Enclosure in stainless steel AISI 316

☐ Enclosure in chrome-plated cast-iron

☐ Operational ambient temperature -50° C / +55°C

Manufactured by ARIET Di T. Cereda – Distributed by TER Tecno Elettrica Ravasi srl

Opposite functions vertically coupled

Opposite functions vertically coupled

Opposite functions vertically coupled

Opposite functions vertically coupled

Opposite functions vertically coupled

Opposite functions vertically coupled

2-8 actuators

10-12 actuators