



it's cool to be safe
explosion proof solution for the global market

Supermec

explosion proof electrical equipment





GUA

CSD

GUB - A

GUBA - A

GUBA - S

EJB - A

EJB - S

ECS

UH - UP

CSE - A

CSE - P

CSE - S

WH - WP - WA

UVB - UVD

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WH - WP- WA

The WH - WP operators and WA instruments are normally used in the chemical and petrochemical plants, off-shore platforms, refineries and any other industry where hazardous atmospheres (gas and combustible dust) are potentially present.

The WH - WP - WA range has been designed to meet the main requirements of power distribution, monitoring and signaling, and other electrical functions inside the hazardous area of the plant.



Function

The WH - WP - WA series are normally installed on CSE enclosures series used for the following main applications:

- control station and instrument housing
- instrument housing
- motor starter unit
- lighting control panel

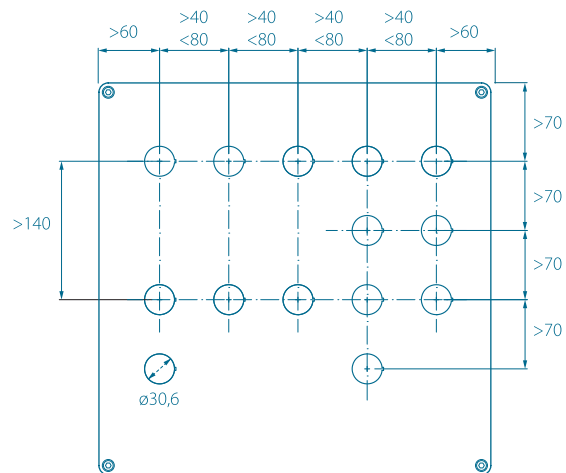
and fitted with other electrical and/or electronic equipment as per our client specific requirements.

Construction

The material used to manufacture the UH-UP operators and WA instruments have been studied to grant the maximum protection against the highly corrosive agents present in these industries:

- the external components (handle, push-button, diffuser, ect.) are made of high-quality antistatic and UV-protected polymers and provided with EPDM sealing to maintain the IP66 level of protection of whole control station;
- the internal Ex d components are made of high quality thermoplastic and are available for standard installation on cover or, as option, on a dedicated mounting rail;
- the larger handles are padlockable in different positions (upon request)
- the LED units for pilot light and luminaire push button are available with two range of voltage as indicated in the ordering table;
- the rated current of Ex switch module is up to 16 Amp. and its mechanical life is 1,000,000 times;
- the high brightness and the electrical life of LED units are granted for a minimum of 100,000 hours;
- the diffuser of pilot lights and luminaire push button units have a special design to grant a high visibility degree in any situation
- the external components are fixed directly on cover with a \varnothing 30 mm. hubs and a directional anchor point depending by type of installation requested.

The installation of Ex operators and instruments inside the enclosures can be done according to the limits of certification in terms of distance and heat dissipation. Any configuration based on client requirements must be performed by Supermec.



Protection

certificate number:	IECEX CML 17.0088U	CML 17 ATEX 1173U	TC RU C-IT.AA87.B.00509
	IECEX CML 17.0089U	CML 17 ATEX 1174U	
marking:	II 2GD Ex db eb IIC T6 Gb Ex tb IIIC T85°C Db		
ambient temperature:	-55°C +60°C		
degree of protection:	IP66		
conformity:	Directive ATEX 2014/34/EU		TP TC 012/2011
standards:	IEC-EN60079-0	IEC-EN60079-1	IEC-EN60079-7
	ГОСТ 31610.0	ГОСТ IEC 60079-1	ГОСТ P МЭК 60079-7
	IEC-EN60079-11	IEC-EN 60079-26	IEC-EN60079-31
	ГОСТ 31610.11	ГОСТ P МЭК 60079-26	ГОСТ P МЭК 60079-31
category:	suitable for Zone 1- 2 (gas) and Zone 21 - 22 (dust)		



Code	Colour	Contact
WPB R1	●	2 NC
WPB W2	○	2 NO
WPB G0	●	1NO+1NC
WPB G2	●	2NO
WPB X1	●	2 NC
WPB Y2	●	2NO

WPB

Spring-return flush pushbutton unit, supplied complete with one electrical contact module as listed and as option, with different combinations of contacts NO and NC . Available in different colours as per side table and as option, engraved with electrical symbols .



Code	Colour	Contact
WPBD GR0	● ●	NO+NC
WPBD WX0	○ ●	NO+NC

WPBD

Spring-return double pushbutton, supplied complete with one electrical contact module as listed and as option, with different combinations of contacts NO and NC. Available in different colours as per side table and as option, with alternative colours with or without electrical symbols.



Code	Power	Resistance
WHP 1	1 W	1000 Ω
WHP 2	1 W	2000 Ω
WHP 5	1 W	4700 Ω
WHP 10	1 W	10000 Ω

WHP

Potentiometer unit with range of resistance values as indicated on the side table. The knob is provided with a large visual display.