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Control Station and Junction Box

XAWE

This new control station range consist of 2 different sizes allowing from 1 to 3 Harmatex control- and signalling units/indicators in each unit. The 2 sizes can be connected together in various combinations.

- Compact but still user friendly when it comes to wiring.
- Flexible system such as a variety of configurations can be utilized
- Can be delivered with terminal
- Standard fitted with polyamide cable glands and plug

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XAWE is a new range of polyamide boxes. It consists of individual boxes that can be equipped with 1 to 3 Harmatex control and signalling units. A specific device allows assembling several boxes to obtain numerous configurations and combinations.

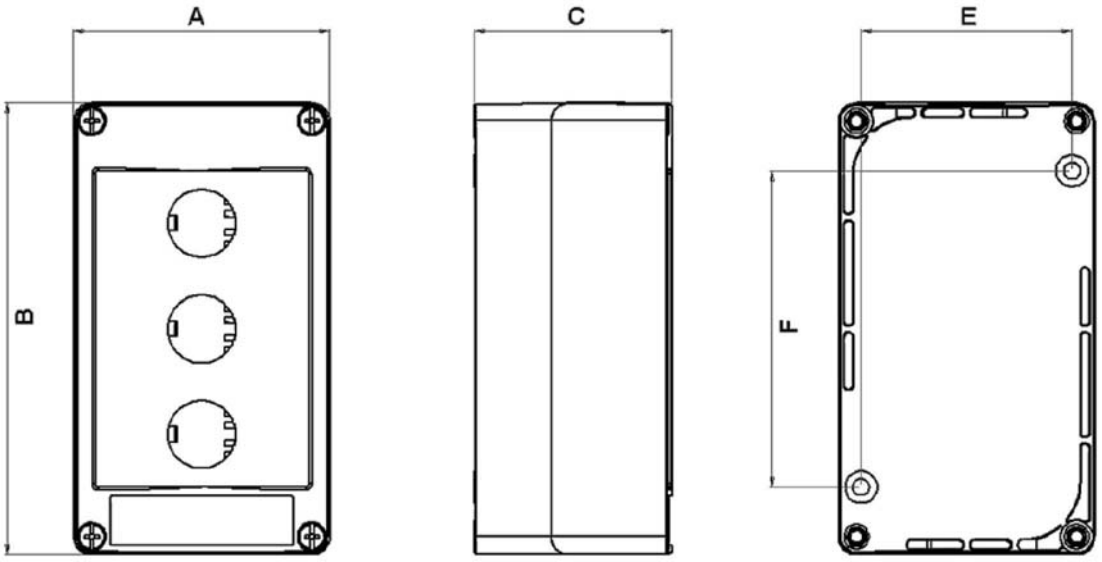
Benefits

- Its particular design gives a much better access to the terminals or contact blocks for an easier wiring compared to the traditional housings.
- Optimized for use with our HARMATEX control and signalling units including the new contact block 16A and the multitension pilot light
- Coupling device to perform pre-equipped control stations with more than 3 pushbuttons
- Available with ammeter
- For armoured cable, earth continuing plate can be provided

Specifications

Material	Polyamide
IP Rating	IP 65-66
Temperature	-20°C to +40°C (50°C and 60°C depending on configuration)
Approval Atex	INERIS 03ATEX0122
Standards	CENELEC EN60079-0, EN60079-1, EN60079-7, EN60079-18, EN61241-0, EN61241-1
Ex-Code	Ⓔx II 2 GD Ex e II Ex e mb II Ex d e IIC Ex tD A21 ....or a combination of these

Dimensions



Box	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
XAWE1... (XAWE2812/9104)	85	85	65		74 [1)]	54 [1)]
XAWE3... (XAWE21)	150	85	65	45	54 [2)]	105 [2)]
XAWE3... + XAWE1	236	85	65	45	54 [2)]	105 [2)]

D=distance between 2 pilot lights and switches

[1)] Fixing by screw CH M4

[2)] Fixing by screw CH M5

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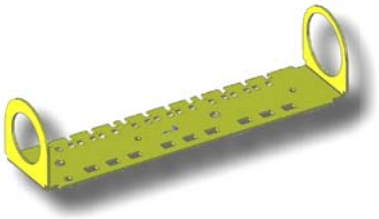
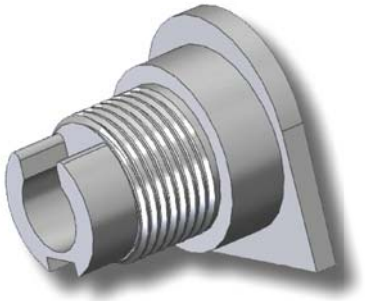
Options



Earth continuety plate for use with armoured cable/cable gland
XAWE-PU



Interconnection coupling for assembling several boxes together
XAWE-TP

Order Information

Function	Labels (pushbutton color), contact function	Insulated box and unit
1 pushbutton, spring return	Start (green), 1NC	XAWE10
1 pushbutton, spring return	Stop (red), 1NC	XAWE11
1 mushroom pushbutton Ø40 mm, spring return	Stop (red), 1NC	XAWE16
1 mushroom pushbutton Ø40 mm, latching turn to release	Stop (red), 1NC	XAWE17
1 selector switch, 2 positions stay put	Start/Stop, 1NO	XAWE13
2 pushbuttons, spring return	Start (green), 1NO - Stop (red), 1NC	XAWE21
3 pushbutton, spring return	Forward (green), 1NO - Stop (red), 1NC - Reverse (green), 1 NO	XAWE31
1 pilot light, 2 pushbuttons, spring return	Red light unit 24-415V AC/DC Start (green), 1NO - Stop (red), 1NC	XAWE34
1 ammeter		XAWE2812
Function	**Terminal functions**	**Insulated box and unit**
5 terminals	3P + T + N	XAWE9104
Function	**Cable gland (number and type)**	**Insulated box and unit**
Empty box prepared for 1 control and signalling unit	1 cable gland M20 + 1 plug M20	XAWE101
Empty box prepared for 2 control and signalling units	1 cable gland M20 + 1 plug and 1 cable gland M25 + 1 plug	XAWE302
Empty box prepared for 3 control and signalling units	1 cable gland M20 + 1 plug and 1 cable gland M25 + 1 plug	XAWE303

Standard cable gland from Ø8 - Ø16 mm cables

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Hazardous area information & terminology

ATEX Directive

The ATEX Directive, derived from the French “ATmosphères EXplosibles” and formally known as 94/9/EC, contains the ESR (Essential Safety Requirements) to which electrical equipment and protective systems used within potentially explosive atmospheres must conform.

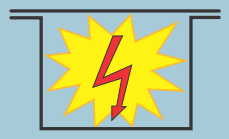
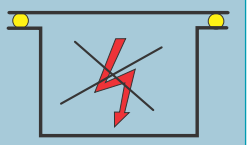
The new ATEX Directive currently in place within the European Union was made mandatory on 1st July 2003. Primarily intended for manufacturers of hazardous area equipment for use in the presence of flammable gases, vapours, fumes or dusts, the new directive requires a quality management system to be implemented.

Procedures for the design, manufacture and verification of products are to be approved by a notified body

(i.e. DNV, NEMKO, etc.) and all equipment conforming to the new directive will have CE and Ex Marking.

Zone Classification with the presence of GAS	
Zone 1 (Category 2)	An area in which explosive gas is likely to be present during normal operation of the plant.
Zone 2 (Category 3)	An area in which explosive gas is not continuously present, but may exist for a short period of time.

Zone Classification with the presence of DUST	
Zone 21	An area in which an explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur in normal operation of the plant.
Zone 22	A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation, if it does occur, will persist for a short period only.

Applicable EX protection	
Ex d Protection Parts, which can ignite a potentially explosive atmosphere, are surrounded by an enclosure, which are designed to withstand the pressure of an internal explosion and to prevent the propagation of the explosion to the atmosphere surrounding the enclosure.	
Ex e Protection for electrical components that do not spark under normal working conditions but where measures are applied to prevent high temperatures and the occurence of arcs and sparks internally.	

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