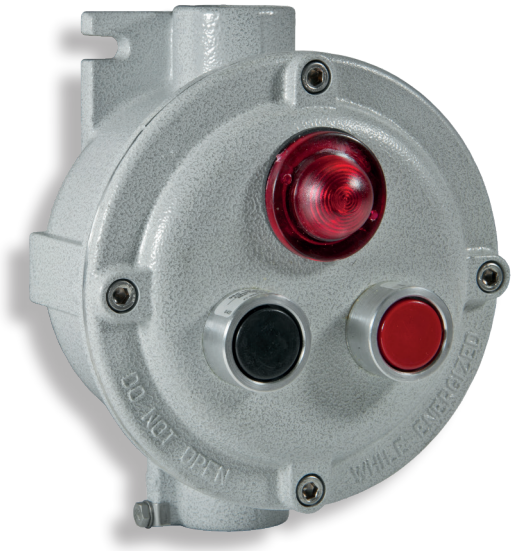
EFDC Series... Control and signalling station



CROSS-SECTION VIEW



DESCRIPTION

EFDC series control and monitoring units are suitable for the control and signalling of devices, both on board the machine or remotely, and are used in the chemical, petrochemical and pharmaceutical industries, and any location which requires an explosion proof system. A feature of this station is the ability to mount up to four operators on the cover.

MECHANICAL FEATURES OF ENCLOSURES

Body and lid:	Low copper content aluminium alloy, complete with wall fastening lugs.
Gaskets:	Acid, hydrocarbon and high temperature resistant silicon positioned between the body and the cover
Certification label:	Adhesive affixed to external surface
Screws:	Stainless steel
Earth screw:	Internal M5 on body and lid connected by a 2.5 mm^2 wire
Coating:	Polyester RAL 7035 (Light grey)
Threaded entries:	One upper and one lower Ø 1"
Resistenza alla corrosione:	The STANDARD of the aluminium alloy used by Cortem has passed the tests required by standards EN60068-2-30 (hot-humid cycles) and EN60068-2-11 (salt fog test)

MECHANICAL FEATURES OF CONTROL AND SIGNALLING DEVICES

Pushbutton:	Coloured nylon
Illuminated pushbutton:	Clear coloured polycarbonate
Control lever:	Aluminium alloy
Badge:	Anodised aluminium, white lettering on black background
Outer body:	Aluminium alloy
Internal bushing and pin:	Stainless steel
Gaskets:	Acid and hydrocarbon resistant NBR
Station assembly:	Screwed onto cover
Contacts assembly:	Snap action on an appropriate flange to ensure the quick connection of entire contacts block to the station
External body lens:	Impact and UV resistant polycarbonate lens, coloured or transparent

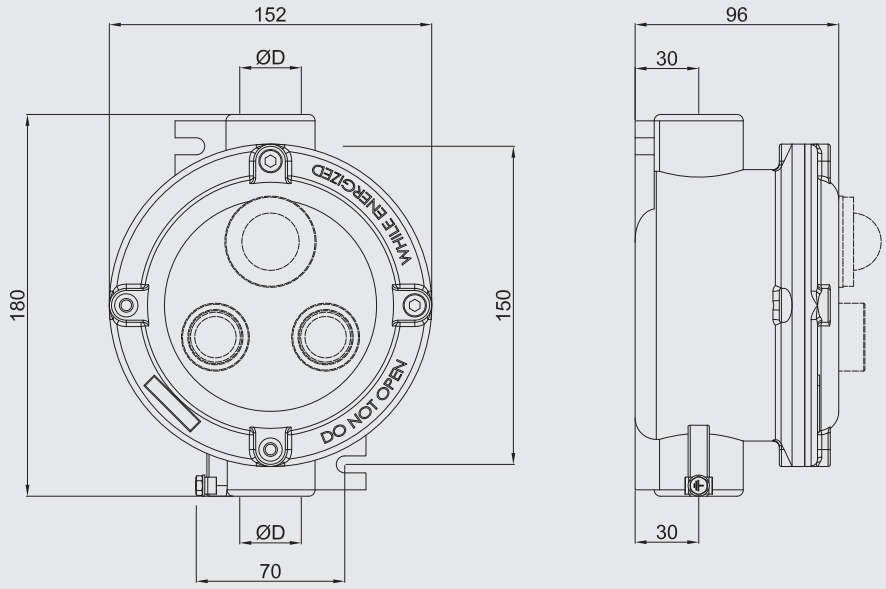
ELECTRICAL FEATURES

Contacts for pushbuttons:	Max. 10A 600 V
Switches:	16A, 690 V
Indicator lights:	24/250V, 3W

ACCESSORIES UPON REQUEST / SPECIAL REQUESTS

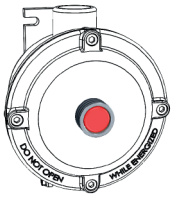
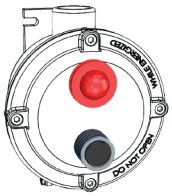
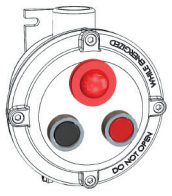
RAL 2004 (Pure orange) internal anti-condensation coating
External polyester coatings in various colours (specify RAL colour)
Cablegland / fittings
System protecting against accidental operation for mushroom-head push-buttons serie EFDC-21EMR and EFDC-21EMC (code **M-990**)

DIMENSIONAL DRAWING

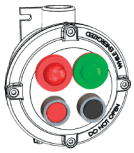
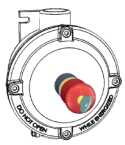


Dimensions in mm

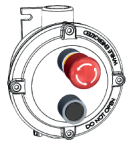
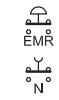
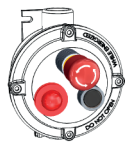
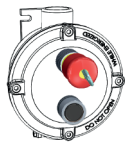
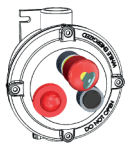
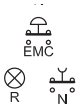
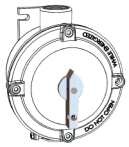
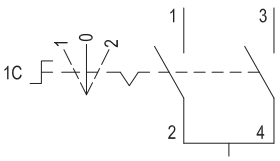
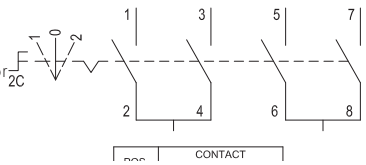
CODE SELECTION TABLE

Illustration	Entry ØD	Description	Diagram	Weight Kg	Codes
	1" ISO 7/1	Single body: button	R	1.4	**EFDC-21**
	1" NPT				**EFDC-21N**
	1" ISO 7/1	Single body: indicator light	R	1.4	**EFDC-25**
	1" NPT				**EFDC-25N**
	1" ISO 7/1	Single body: two buttons	N R	1.5	**EFDC-22**
	1" NPT				**EFDC-22N**
	1" ISO 7/1	Single body: two indicator lights	R V	1.5	**EFDC-24**
	1" NPT				**EFDC-24N**
	1" ISO 7/1	Single body: pushbutton with indicator light	R N	1.5	**EFDC-23**
	1" NPT				**EFDC-23N**
	1" ISO 7/1	Single body: three buttons	R N N	1.6	**EFDC-27**
	1" NPT				**EFDC-27N**
	1" ISO 7/1	Single body: three indicator lights	V R R	1.6	**EFDC-20**
	1" NPT				**EFDC-20N**
	1" ISO 7/1	Single body: two pushbuttons and an indicator light	R N R	1.6	**EFDC-28**
	1" NPT				**EFDC-28N**
	1" ISO 7/1	Single body: pushbutton with two indicator lights	R V N	1.6	**EFDC-29**
	1" NPT				**EFDC-29N**

CODE SELECTION TABLE

Illustration	Entry ØD	Description	Diagram	Weight Kg	Codes
	1" ISO 7/1	Single body: four pushbuttons		1.8	**EFDC-30**
	1" NPT				**EFDC-30N**
	1" ISO 7/1	Single body: four indicator lights		1.8	**EFDC-31**
	1" NPT				**EFDC-31N**
	1" ISO 7/1	Single body: three pushbuttons with an indicator light		1.8	**EFDC-32**
	1" NPT				**EFDC-32N**
	1" ISO 7/1	Single body: two pushbuttons with two indicator lights		1.8	**EFDC-33**
	1" NPT				**EFDC-33N**
	1" ISO 7/1	Single body: pushbutton with three indicator lights		1.8	**EFDC-34**
	1" NPT				**EFDC-34N**
	1" ISO 7/1	Single body: emergency pushbutton station with protective glass and hammer		1.4	**EFDC-21EMV**
	1" NPT				**EFDC-21EMVN**
	1" ISO 7/1	Single body: emergency pushbutton station		1.4	**EFDC-21EM**
	1" NPT				**EFDC-21EMN**
	1" ISO 7/1	Emergency pushbutton station with 'twist to release' mushroom head pushbutton		1.4	**EFDC-21EMR**
	1" NPT				**EFDC-21EMRN**
	1" ISO 7/1	Emergency pushbutton station with key release mushroom head pushbutton (when the button is pressed, turn the key to release)		1.4	**EFDC-21EMC**
	1" NPT				**EFDC-21EMCN**

CODE SELECTION TABLE

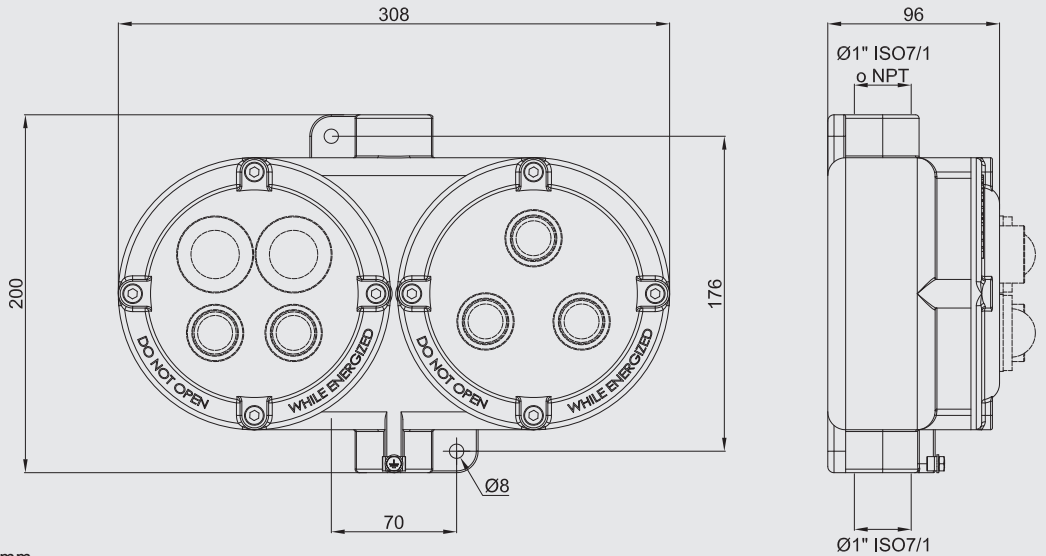
Illustration	Entry ØD	Description	Diagram	Weight Kg	Codes
	1" ISO 7/1	Emergency pushbutton station with 'twist to release' mushroom head pushbutton and pushbutton		1.5	**EFDC-21EMRV1**
	1" NPT				**EFDC-21EMRV1N**
	1" ISO 7/1	Emergency pushbutton station with 'twist to release' mushroom head pushbutton, pushbutton and indicator light		1.5	**EFDC-21EMRV2**
	1" NPT				**EFDC-21EMRV2N**
	1" ISO 7/1	Single body: emergency pushbutton station with mushroom head pushbutton and key reset		1.4	**EFDC-21EMCV1**
	1" NPT				**EFDC-21EMCV1N**
	1" ISO 7/1	Single body: emergency pushbutton station with mushroom head pushbutton and key reset, pushbutton and indicator light		1.4	**EFDC-21EMCV2**
	1" NPT				**EFDC-21EMCV2N**
	1" ISO 7/1	Single body: Single pole selector		2.0	**EFDC-1C**
	1" NPT				**EFDC-1CN**
	1" ISO 7/1	Single body: Double pole selector		2.1	**EFDC-2C**
	1" NPT				**EFDC-2CN**

Note:
For non-standard arrangements, contact the Sales Office.

DESCRIPTION

EFDC series control and signalling stations -.../... are double bodied enclosures and can contain up to eight devices. They are used for the remote control of devices such as distribution panels for lights, pumps, starter motors, etc.

DIMENSIONAL DRAWING



Dimensions in mm

CODE SELECTION TABLE

Use the code in the selection table of EFDC single body stations to compose the code for double body stations.

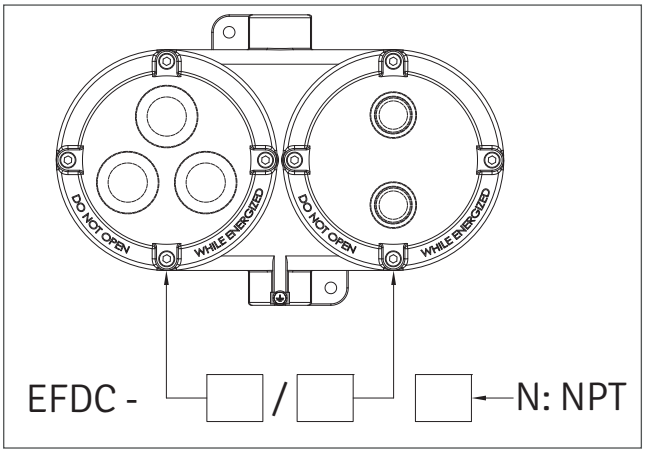
Example:

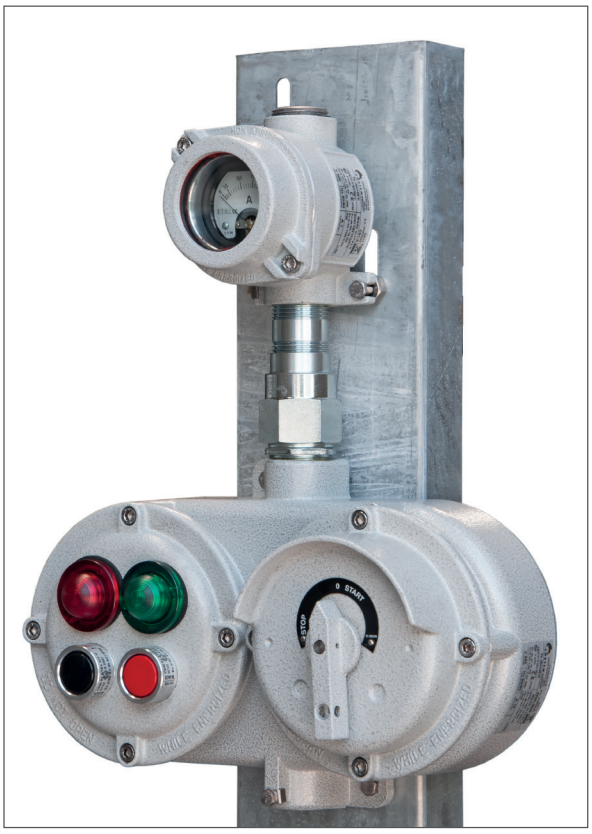
EFDC-20/22

Double body station with three indicator lights in the left-hand enclosure and two pushbuttons in the one to the right. Two 1" ISO7/1 fittings.

EFDC-23/21N

Double body station with pushbutton and indicator light in the left-hand enclosure and a pushbutton in the one to the right. Two 1" NPT fittings.





EFDC33/2C connected to an instrument casing **CSC-H** with ammeter.

