

# ATX™ D Series Aluminum Control Stations

## Flameproof

**ATEX:**  
**Zone 1 and 2 – 21 and 22**  
 Ⓜ II 2 GD  
 IP66 – IK10

### Applications

- Local control stations for use in hazardous areas.
- Control of electrical equipment at power plants, chemical and petrochemical plants, petroleum refineries, pulp and paper processing plants and various industrial applications.

### Features

- 1 and 2 Function Ex d IIC:
  - Supplied with actuators, contact blocks and pilot lights.
  - TS35 rail mounted contact blocks.
  - Threaded flameproof joint.
  - Connection: 2 x 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>) maximum.
  - Internal earth: 2 x 4 mm<sup>2</sup> (0.006 in<sup>2</sup>).
  - External ground: M5
  - 1 x M20 or M25 threaded entry at bottom.
  - Cable glands and plugs to be ordered separately.
- 2 and 3 Function Exd IIB:
  - Supplied with actuators and rail mounting pilot lights and contact blocks.
  - Flanged flameproof joint.
  - Yellow laminated plastic legend plate with black lettering.
  - Connection : 2 x 2.5 mm<sup>2</sup> (0.004 in<sup>2</sup>) maximum.
  - Internal earth: 2 x 4 mm<sup>2</sup> (0.006 in<sup>2</sup>).
  - External earth: M6 screw.
  - 2 x M20 threaded entries at the bottom.
  - Cable glands and plugs to be ordered separately.

### Standard Materials

- Box: gray painted marine grade aluminum alloy

### Options

- For other configurations, see pre-drilled control stations or consult factory.

### ATEX Certifications and Compliances

- Certification Type BR1d
  - Gas, Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
    - Type of Protection: Ex d IIC
    - Temperature Class: T6 for Ta = +40 °C (+104 °F), T5 for Ta = +55 °C (+131 °F)
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T95 °C (T203 °F)
  - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
  - CE Declaration of Conformity: 20530
  - ATEX Certificate: LCIE 02 ATEX 6056
- Certification Type CF2D
  - Gas, Zones 1 and 2
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 G
    - Type of Protection: Ex d IIB
    - Temperature Class: T6 for Ta ≤ +40 °C (+104 °F), T5 for +40 °C (+104 °F) < Ta ≤ +55 °C (+131 °F)
  - Dust, Zones 21 and 22
    - Conforming to ATEX 94/9/CE: Ⓜ II 2 D
    - Type of Protection: Ex tD A21
    - Surface Temperature: T95 °C (T203 °F)
  - Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F)
  - CE Declaration of Conformity: 50254
  - ATEX Certificate: LCIE 03 ATEX 6061X

- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10
- Internal Volume: ≤ 2 dm<sup>3</sup> (122 in<sup>3</sup>) - 2 liters

### EURASEC Certification

- EURASEC RU C-FR. Г505.В.00911

### Other Certification ①

- INMETRO Certificate: BVC 11.0482

1 Function



2 Function



2 Function



3 Function



① INMETRO certification available on special request only. Contact your local sales representative for more information.

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**II 2 GD**  
**IP66 – IK10**

Type	Description/Function	Bottom Entries	Weight kg (lb)	Volume dm <sup>3</sup> (in <sup>3</sup> )	Catalog Number
<b>3 Function Ex d IIB Control Stations</b>					
<b>Pilot Light and Twin Push Buttons</b>					
	CF2D 1x red/green LED light 85 to 264 Vac 1x green spring return 'I' push button with 1NO momentary contact 1x red spring return 'O' push button with 1NC momentary contact	2 x M20	3.3 (7.28)	9.00 (549.21)	DA5W2T301
<b>Ammeter and Twin Push Buttons</b>					
CF2D	1x ammeter 48 x 48 CT1A 3 x FLC 0-1-3A 1x green spring return 'I' push button with 1NO momentary contact 1x red spring return 'O' push button with 1NC momentary contact	2 x M20	3.3 (7.28)	9.00 (549.21)	DA5W2T302
<b>Ex d IIC Limit Switch ①</b>					
<b>Limit Switch</b> Stainless steel roller control perpendicular for surface fixing. 1/4 turn fixing (may be modified by end user).					
	BR1d 1x roller plunger - travel 7 mm max. - Force 22 newtons with 1NO+1NC momentary contacts	1 x M20	1.0 (2.20)	4.60 (280.71)	DA1W1L001
BR1d	1x roller plunger - travel 7 mm max. - Force 22 newtons with 1NO+1NC momentary contacts	1 x M25	1.0 (2.20)	4.60 (280.71)	DA1W3L001

Technical Data	
<b>Contact Block</b>	<b>LED Pilot Light</b>
Insulation Voltage (Ui) 500 V	Rated Voltage 85 Vac to 264 Vac, 50/60 Hz
Switching Capacity	Rating 5-15 mA
AC 15 4 A/115 V, 4 A/230 V, 2 A/500 V	Max. Power 0.33 W
DC 13 3 A/24 V, 1.7 A/42 V, 1.2 A/60 V, 0.8 A/110 V, 0.3 A/220 V	Operation life Average 100,000 Hours at +25 °C (+77 °F)
Terminal connections 0.75 to 2.5 mm <sup>2</sup> (0.001 to 0.004 in <sup>2</sup> )	
Operation life >5,000,000 Operations	
<b>Light Switch</b>	
Insulation Voltage (Ui) 500 V	
Switching Capacity	
AC 15 450 W/48 V, 900 W/110 V, 1900 W/230 V	
DC 13 100 W/48 V, 100 W/110 V, 95 W/230 V	
Terminal connections 0.75 to 2.5 mm <sup>2</sup> (0.001 to 0.004 in <sup>2</sup> )	
Operation life > 1,000,000 Operations	