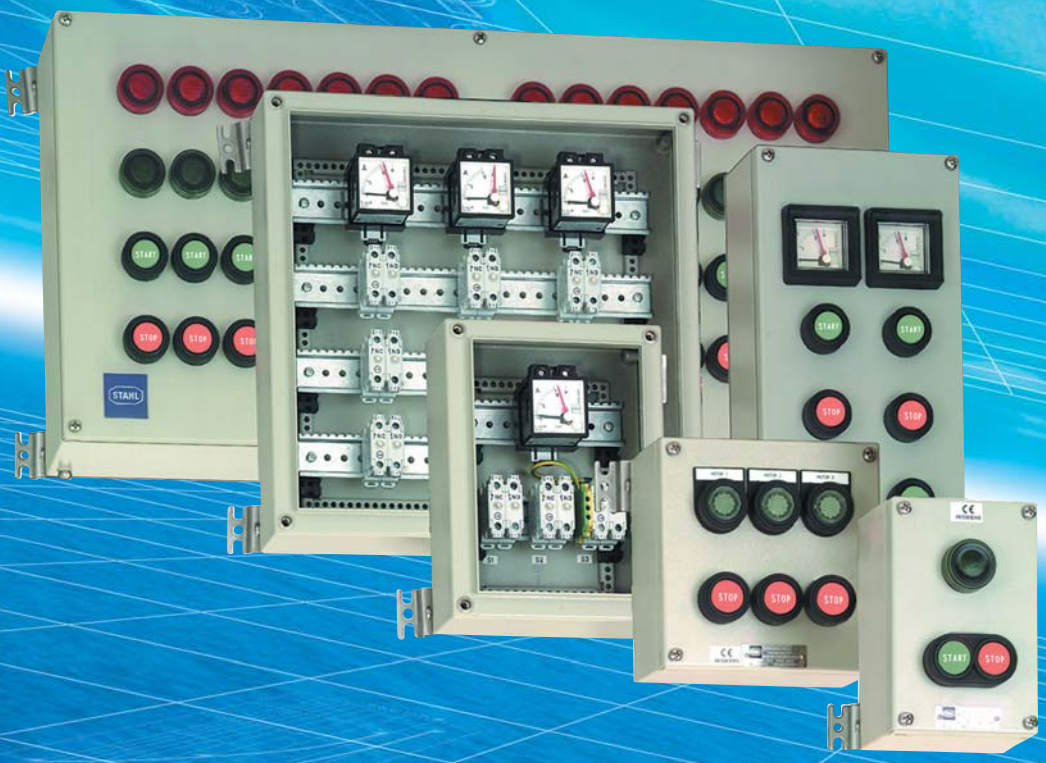
8125 Series

CONTROL PANEL IN SHEET STEEL OR STAINLESS STEEL



CLASSIFICATIONS

NEC- Class I, Zones 1 & 2 AEx de II C T6
Class I, Division 2, Groups A,B,C,D
Class II, Division 2, Groups F,G
Class III
Enclosure Type:
stainless steel version
3, 4 & 4X; IP66,
carbon steel version, painted
3 & 4; IP66,
File No. E182378

CEC- Class I, Zones 1 & 2 Ex de II T6
Class I, Division 2, Groups A,B,C,D
Class II, Divisions 1 & 2, Groups E,F,G
Class III

CSA ENCLOSURES
stainless steel version
3, 4 & 4X; IP66
carbon steel version, painted
3 & 4; IP66
File No. LR 99480

II 2G Ex de IIC T6
II 2D Ex tD A21 IP66 T80˚C
PTB 01 ATEX 1001
IECEx PTB 09.0049

Ambient Temperature Range:
+40˚C (+104˚F) Max.
–20˚C (–4˚F) Min.

Special Ambient Temperature Range:*
***Consult Factory**

Features:
8125 series control stations are designed to incorporate control and display devices. The number of units installed depends on the control station size and the space required to fit each device.

- Enclosures in galvanized sheet steel or 316 stainless steel
- 6 basic enclosure sizes
- Options:
  - Flanges
  - Cover Hinges
- Enclosures can be coupled together

For entry hardware see pages C18 & Section J

Components:

- Contact blocks
- Pilot lights
- Illuminated pushbuttons
- Control switches
- Ammeters
- Voltmeters

For component data see pages F15-F22 and F46-F47.

8125 Series Control Panel

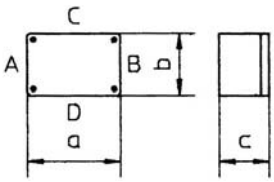
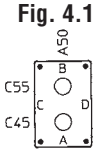
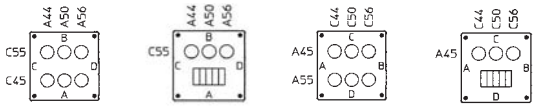
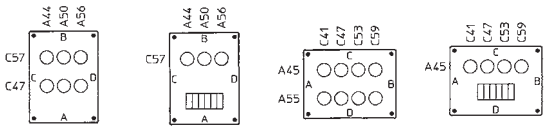
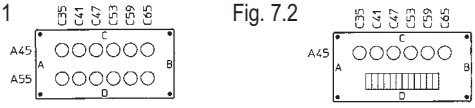
IN CARBON STEEL OR STAINLESS STEEL

8082
Control Unit with actuators
7/16" /o.d. 38mm

8010
LED Pilot Light

8082/8010
Illuminated Pushbutton

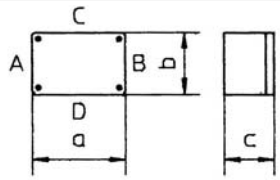
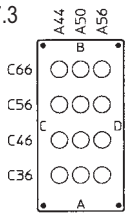
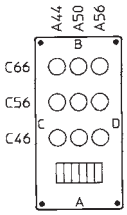
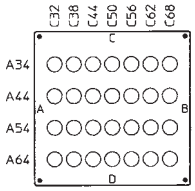
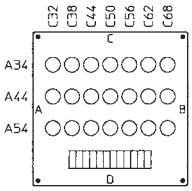
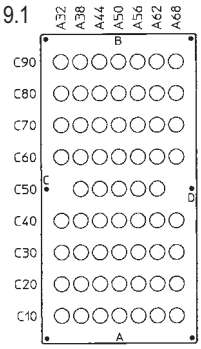
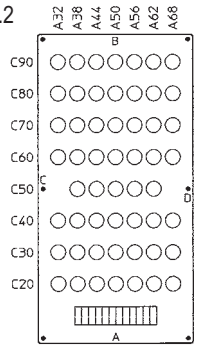
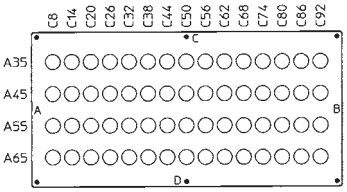
Typical Panel Configurations

ENCLOSURE SIZE	DIMENSIONS Inches mm	PANEL CONFIGURATIONS	CATALOG NUMBER
		Panel configurations Maximum quantity of components such as; Contact Blocks 8082, Pilot Lights 8010, and Illuminated Pushbuttons 8082/8010.	
4 Side facing down	a 6.95" 176 mm b 4.58" 116 mm c 3.58" 91 mm	**Fig. 4.1**  A	**8125/5041-** ☐☐
5 Side facing down	a 6.95" 176 mm b 6.95" 176 mm c 3.58" 91 mm	Fig. 5.1 Fig.5.2 Fig. 5.3 Fig. 5.4  A A D D	**8125/5051** ☐☐
6 Side facing down	a 9.29" 236 mm b 6.95" 176 mm c 3.58" 91 mm	Fig. 6.1 Fig. 6.2 Fig. 6.3 Fig. 6.4  A A D D	**8125/5061-** ☐☐
7 **Side facing down**	**a 14.17" 360 mm** **b 6.95" 176 mm** **c 3.58" 91mm**	Fig. 7.1 Fig. 7.2  **D D**	**8125/5071-** ☐☐
		Enclosure material: sheet steel, painted **1** / stainless steel **2**	
Add to catalog number:		Specify side facing down A or D (see above)	

For dimensional information see page F36

IN CARBON STEEL OR STAINLESS STEEL

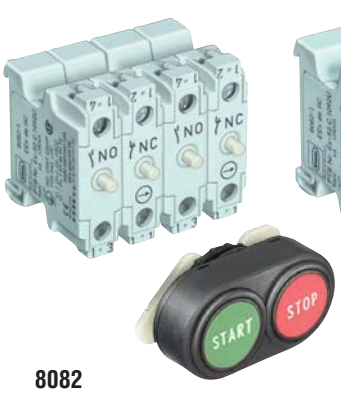
Typical Panel Configurations

ENCLOSURE SIZE	DIMENSIONS Inches mm	PANEL CONFIGURATIONS	CATALOG NUMBER
		Panel configurations Maximum quantity of components such as; Contact Blocks 8082, Pilot Lights 8010, and Illuminated Pushbuttons 8082/8010.	
7 Side facing down	a 14.17" 360 mm b 6.95" 176 mm c 3.58" 91mm	Fig. 7.3  Fig. 7.4  A — A	8125/5071-☐☐
8 Side facing down	a 14.17" 360 mm b 14.17" 360 mm c 3.58" 91mm	Fig. 8.1  Fig. 8.2  D — D	8125/5081-☐☐
9 Side facing down	a 28.62" 727 mm b 14.17" 360 mm c 3.58" 91mm	Fig. 9.1  Fig. 9.2  A — A Fig. 9.3  D	8125/5091-☐☐
		Enclosure material: sheet steel, painted 1; stainless steel 2	
Add to catalog number:		Specify side facing down A or D (see above)	

For dimensional information see page F36

8125 Series Control Panel

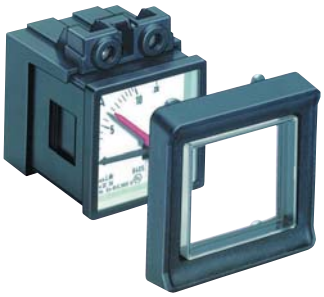
IN CARBON STEEL OR STAINLESS STEEL



8082
Contact Blocks with Double Momentary Pushbutton

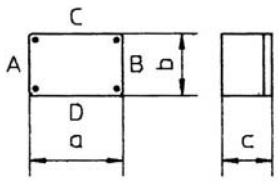
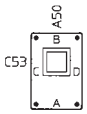
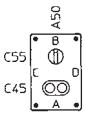
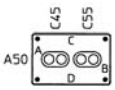
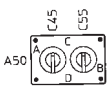
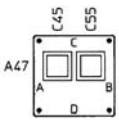
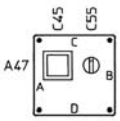
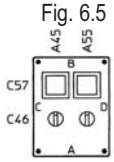
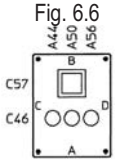
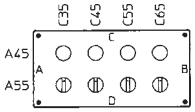
Emergency STOP (Jumbo)

8008
Control Switches



8405
Ammeter

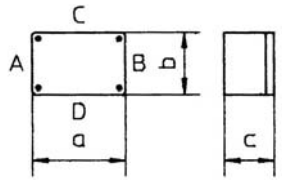
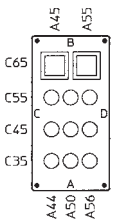
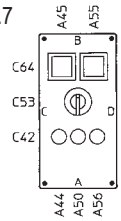
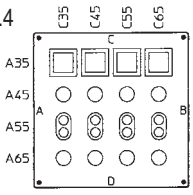
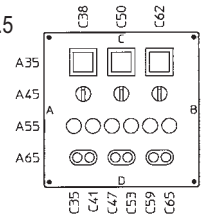
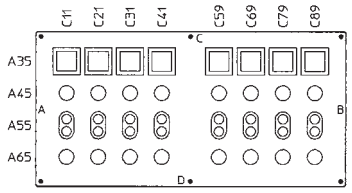
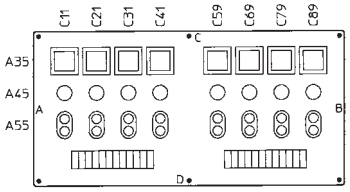
Typical Panel Configurations

ENCLOSURE SIZE	DIMENSIONS Inches mm	PANEL CONFIGURATIONS	CATALOG NUMBER
		Panel configurations Maximum quantity of components such as; Contact Blocks 8082, Pilot Lights 8010, Illuminated Pushbuttons 8082/8010, Control Switches 8008 and Ammeters 8405.	
4 Side facing down	a 6.95" 176 mm b 4.58" 116 mm c 3.58" 91 mm	Fig. 4.4  A Fig. 4.5  A Fig. 4.6  D Fig. 4.7  D	**8125/5041-□□**
5 Side facing down	a 6.95" 176 mm b 6.95" 176 mm c 3.58" 91mm	Fig. 5.5  D Fig. 5.6  D	**8125/5051-□□**
6 Side facing down	a 9.29" 236 mm b 6.95" 176 mm c 3.58" 91 mm	Fig. 6.5  A Fig. 6.6  A	**8125/5061-□□**
7 Side facing down	a 14.17" 360 mm b 6.95" 176 mm c 3.58" 91mm	Fig. 7.5  D	**8125/5071-□□**
		Enclosure material: sheet steel, painted 1; 316L stainless steel 2	
Add to catalog number:		Specify side facing down A or D (see above)	

For dimensional information see page F36

IN CARBON STEEL OR STAINLESS STEEL

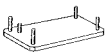
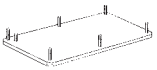
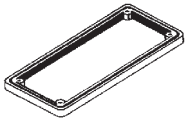
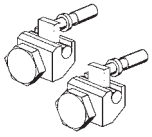
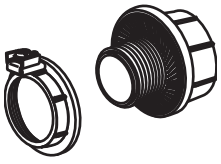
Typical Panel Configurations

ENCLOSURE SIZE	DIMENSIONS Inches mm	PANEL CONFIGURATIONS	CATALOG NUMBER
		Panel configurations Maximum quantity of components such as; Contact Blocks 8082, Pilot Lights 8010, Illuminated Pushbuttons 8082/8010, Control Switches 8008 and Ammeters 8405.	
7 Side facing down	a 14.17" 360 mm b 6.95" 176 mm c 3.58" 91 mm	Fig. 7.6  Fig. 7.7  A — A	8125/5071-□□
8 Side facing down	a 14.17" 360 mm b 14.17" 360 mm c 3.58" 91 mm	Fig. 8.4  Fig. 8.5  D — D	8125/5081-□□
9 Side facing down	a 28.62" 727 mm b 14.17" 360 mm c 3.58" 91 mm	Fig. 9.4  D Fig. 9.5  D	8125/5091-□□
		Enclosure material: sheet steel, painted 1 316L stainless steel 2	
Add to catalog number:		Specify side facing down A or D (see above)	

For dimensional information see page F36

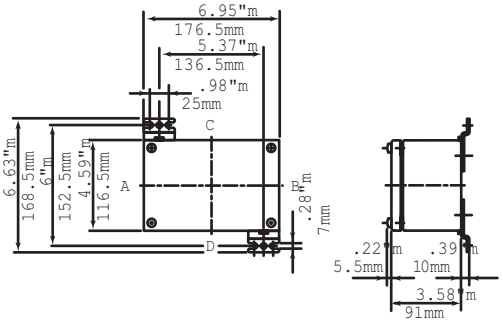
8125 Series Control Panel

PARTS AND ACCESSORIES

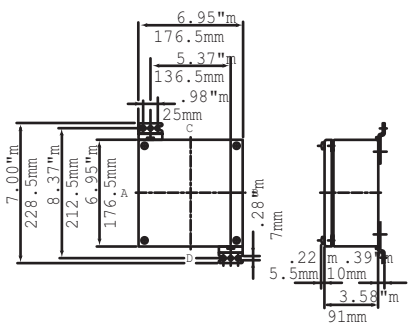
DESIGNATION	ILLUSTRATION	DESCRIPTION	CATALOG NUMBER
Flange Plate Size 1		5" x 2.7" x 0.2" (128 x 68 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures — Sides 8125/•051 — A/B/C/D 8125/•061 — A/B/C/D 8125/•071 — A/B/C/D 8125/•S71 — C/D 8125/•081 — A/B/C/D	**134216** **135051**
Flange Plate Size 2		10.5" x 5" x 0.2" (266 x 128 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures — Sides 8125/•063 — C/D 8125/•073 — C/D 8125/•083 /•085 — A/B/C/D 8125/•093 /•095 — A/B/C	**134245** **135093**
Flange Plate Size 3		5" x 5" x 0.2" (126 x 126 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures — Sides 8125/•073 — A/B	**134274** **135125**
Flange Plate Size 4		13.86" x 6.1" x 0.2" (352 x 155 x 5 mm) carbon steel 316 stainless steel Can be fitted in Enclosures — Sides 8125/•085 — A/B/C/D 8125/•095 — A/B/C/D	**134292** **135145**
Coupling Frames		**Frame Sizes** 0 — 2.68" x 2.68" (68 mm x 68 mm) 1 — 5.04" x 2.68" (128 mm x 68 mm) 2 — 10.47" x 4.96" (266 mm x 126 mm) 3 — 4.96" x 4.96" (126 mm x 126 mm) 4 — 13.86" x 6.1" (352 mm x 155 mm)	**136012** **135974** **136031** **136235** **134289**
Cover Hinges		8125 for retrofitting to enclosure Kit consists of: 2 hinges 3 hinges	**134943** **134949**
Entry Hubs			**8166/11** (see page J1)

For Entry information see pages C16, 18 & 19.

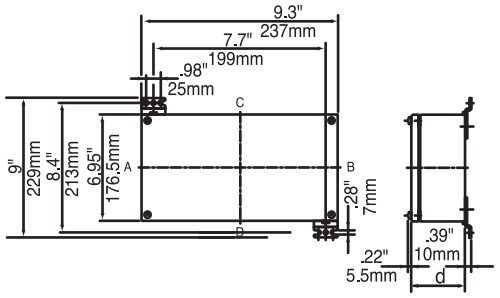
DIMENSIONS



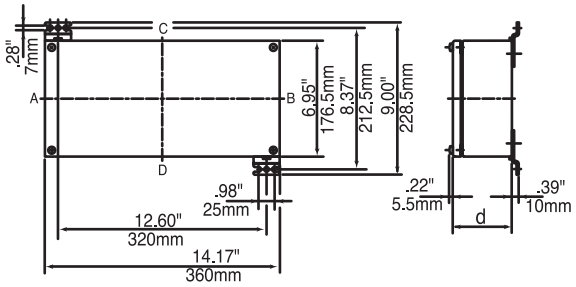
8125/5041



8125/5051



8125/506•



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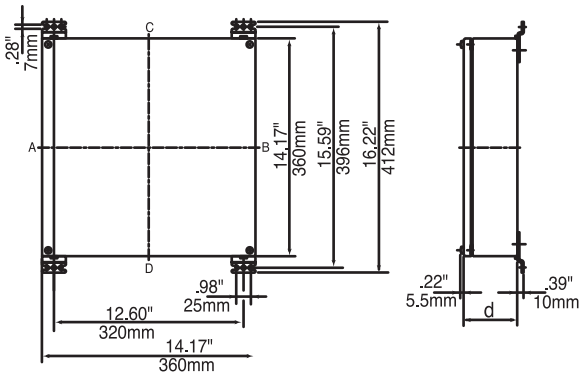
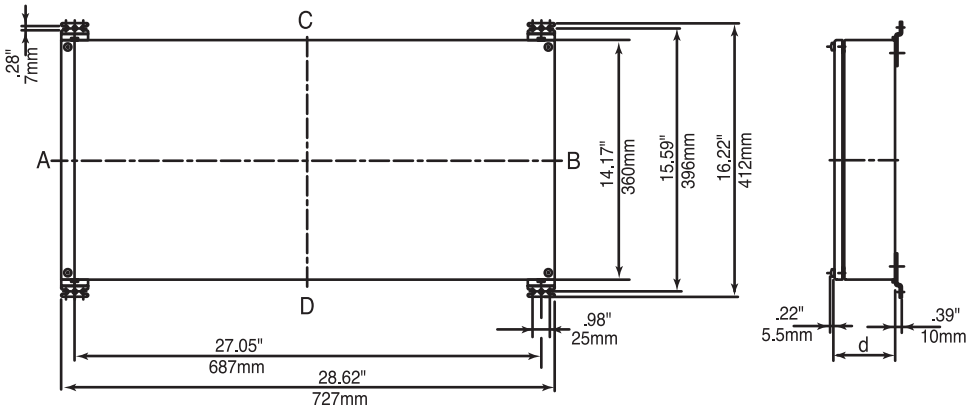


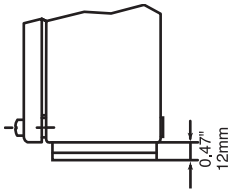
8125/508•



8125/509•

Available Enclosure Depth (d)				
Enclosure Sizes	1 3.58” 91mm	3 5.91” 150mm	5 7.48” 190mm	6 9.06” 230mm
8125/504•	x	-	-	-
8125/505•	x	-	-	-
8125/506•	x	x	-	-
8125/507•	x	x	-	-
8125/508•	x	x	x	x
8125/509•	x	x	x	-

Flange option: Add to overall dimensions.



Notes