



FLAMEPROOF ELECTRICAL ENCLOSURES LTD

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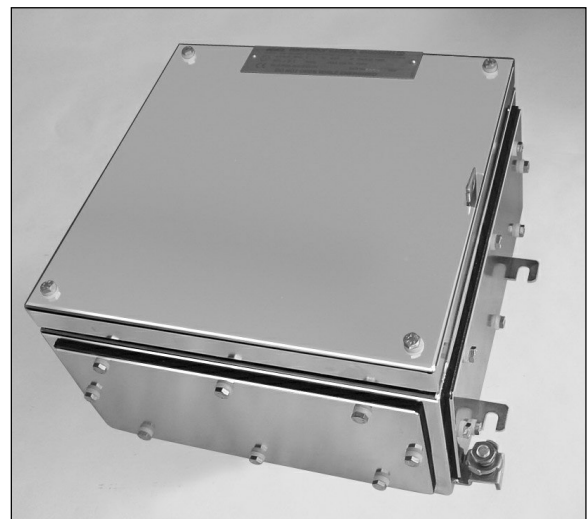
Certificate No. 930015

RANGE 7000

EXPLOSION PROTECTED / WEATHERPROOF / JUNCTION BOXES

Sira certified under directive 94/9/EC (ATEX) for Group II, Category 2, G and D. The enclosure has been certified to give a large measure of flexibility based on Power Dissipation and is suitable for Zone 1, 2 (Gases) Zone 21 and 22 (Dusts). Product complies with standards EN 50014, EN 50019 and EN 50281-1-1

- CERTIFICATE NUMBER:** Sira 99ATEX3154
- PROTECTION CONCEPT:** EEx e II T*___°C**
(* and ** see tables opposite)
- AMBIENT TEMPERATURE:** -45°C to +40°C (T6)
-45°C to +55°C (T5)
-45°C to +60°C (T5)
-45°C to +55°C (T4)
- POWER DISSIPATION LIMIT:** Depends on ambient temperature range required see tables
- INGRESS PROTECTION:** IP66
- MATERIALS STANDARD:** Mild Steel, Hot Dipped, Galvanised
- SPECIAL:** Stainless Steel 316, Chemically Polished
- COVER SCREWS:** Stainless Steel A4 80 captive
- FINISH STANDARD:** Hot Dipped Galvanised
- SPECIAL:** Zinc spray, Epoxy resin or Paint (any colour)
- WEIGHT:** See schedule against box reference
- CABLE ENTRIES:** Due to variations possible in entry patterns by way to gland size and quantity it is usually necessary to check each application to determine the enclosure size required. However a table based on 20mm clearance holes is given below as a guide together with gland plate apertures where they are fitted.



	Gland plate apertures		20mm Clearance holes maximum (34.0mm max across corner glands)	
	Top & Bottom	Side	Top & Bottom	Side
7009	-	-	2	2
7020	-	-	5	2
7035	-	-	9	3
7040	240 x 80	160 x 80	12	6
7040V	160 x 80	240 x 80	6	12
7050	-	-	8	8
7060	240 x 80	240 x 80	12	12
7090	340 x 80	250 x 80	18	12
7150	330 x 100	380 x 100	23	26
7300	440 x 120	540 x 120	33	42
7750	540 x 120	420 x 130 (2 off)	50	76

The enclosures are certified as terminal enclosures the numbers after the figure '7' in the catalogue reference indicates the maximum number of 2.5mm² terminals that may be fitted within the enclosure (e.g. 7009 = 9, 7750 = 750).

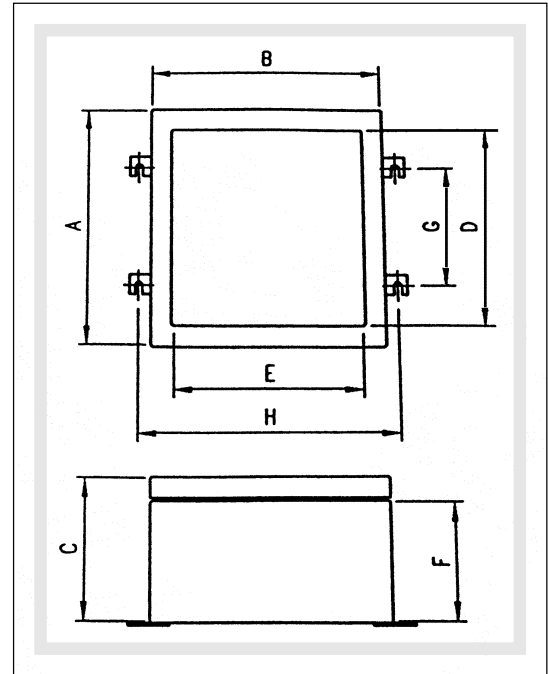
ENCLOSURE 7009, 7020, 7035 and 7050

These are plain-sided enclosures, (i.e. without gland plates) entry to the interior is by way of plain clearance holes through the enclosure wall. Covers are not hinged. Internal and External earth stud assemblies are 6mm.

ENCLOSURES 7040 to 7750

These are enclosures with gland plates. Top and Bottom gland plates are fitted as standard, side gland plates are optional extra. Covers are fitted with exclusively designed concealed stainless steel double action lift off hinges. Padlocking facility is fitted as standard. Internal and External earth stud assemblies are 10mm.

	A	B	C	D	E	F	G	H	Weight (Kgs approx)
7009	116	116	73	100	100	65	138 Diagonal		1.0
7020	193	123	83	180	110	75	130	130	1.5
7035	280	140	118	267	127	110	180	150	2.0
7040	220	300	169	170	250	140	110	335	6.5
7040V	300	220	169	250	170	140	150	255	6.5
7050	203	203	103	190	190	95	215 Horizontal		2.0
7060	300	300	169	250	250	140	150	335	8.0
7090	310	400	169	260	350	140	160	436	9.5
7150	440	390	189	390	340	160	240	426	12.0
7300	600	500	209	550	450	180	400	540	22.5
7750	960	600	219	910	550	190	760	640	38.0



MOUNTING BOLT SIZE: 7009,7020 &7035 = M6
7040, 7040V, 7050, 7060, 7090 & 7150 = M8
7300 & 7750 = M10

TERMINAL BLOCKS: Rating of the fitted terminals is dependant on the Maximum Dissipated Power applicable to the ambient temperature range chosen. The tables below indicate the Dissipated Power Maximum figures allocated to each enclosure size.

	Maximum Dissipated Power (W)	Maximum Dissipated Power (W)	Maximum Dissipated Power (W)
	Ta = -45°C to +40°C EEx e II T6* Or Ta = -45°C to +55°C EEx e II T5*	Ta = -45°C to +60°C EEx e II T5*	Ta = -45°C to +55°C EEx e II T4*
7009	4.9	4.2	6.4
7020	5.4	4.6	7.1
7035	9.0	7.7	11.9
7040	10.8	7.7a9.3	14.2
7040V	8.0	6.9	10.5
7050	7.0	6.0	9.2
7060	14.9	12.9	19.7
7090	18.0	15.5	23.8
7150	31.0	26.8	41.0
7300	44.8	38.7	59.2
7750	108	93.5	142.8
Ambient Range	Temperature Class	T ___ °C**	Maximum Dissipated Power
Ta = -45°C to +40°C	T6	55	Refer to above table
Ta = -45°C to +55°C	T5	70	Refer to above table
Ta = -45°C to +60°C	T5	70	Refer to above table
Ta = -45°C to +55°C	T4	90	Refer to above table

INSTALLATION INSTRUCTIONS: The installer must ensure that the enclosure chosen is suitable for the field of application. Which means that the marking on the certification label must correspond to the classification given to the Ex area.
Also that the temperature class of the enclosure meets the respective requirements.
For further information refer to the Installation Instruction sheet provided with the enclosures.

The enclosures can be supplied empty for customer own certification Component Certificate Sira 01ATEX3236U

THE RIGHT CHOICE FOR QUALITY AND SERVICE