



FLAMEPROOF ELECTRICAL ENCLOSURES LTD

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Certificate No. 930015

RANGE 98-7000

EXPLOSION PROTECTED / WEATHERPROOF / CONTROL STATIONS

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 50018, EN 50019 and EN 50281-1-1

CERTIFICATE NUMBER:	Sira 00ATEX3153
PROTECTION CONCEPT:	EEx ed IIC T* T___°C**
AMBIENT TEMPERATURE:	-45°C to +40°C (T6) -45°C to +55°C (T5) The Control Stations may also be used at -45°C to +60°C (T5) with current limited to 200mA through the switches and lamps limited to 24V (Max) supply.
POWER DISSIPATION LIMIT:	Depends on ambient temperature range required see table opposite
INGRESS PROTECTION:	IP54/IP66 Depending on Actuator Combination
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:	Dependant upon combination of control devices fitted. See table opposite for basic enclosure weight
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
98 - 7009	-	-	2	2
98 - 7020	-	-	5	2
98 - 7035	-	-	9	3
98 - 7040	240 x 80	160 x 80	12	6
98 - 7060	240 x 80	240 x 80	12	12
98 - 7090	340 x 80	250 x 80	18	12
98 - 7150	330 x 100	380 x 100	23	26
98 - 7300	440 x 120	540 x 120	33	42
98 - 7750	540 x 130	420 x 130 (2 off)	50	76

CONTROL DEVICES:

Each enclosure can be fitted with a range of control devices. Entry through the enclosure cover is based on a modular grid (71mm x 41mm) determined for each enclosure size. See the table below for number of devices that can be fitted. This module gives the minimum spacing between devices however spacing can be increased to suit special layout requirement if necessary. Contact FEEL sales with your specific requirements.

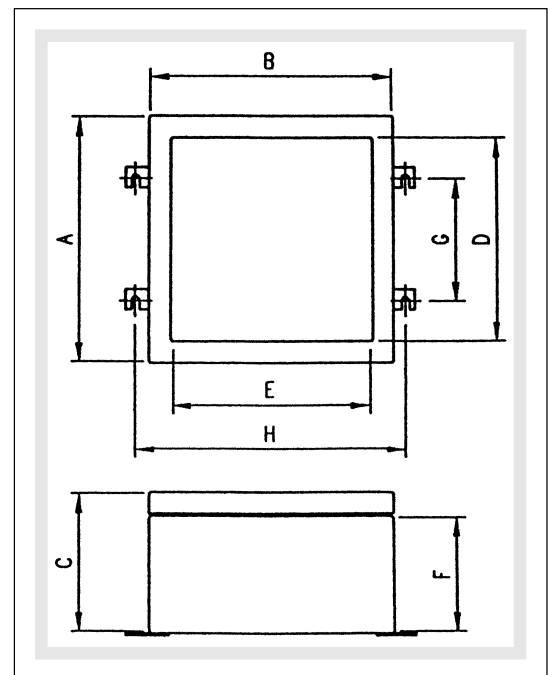
	Maximum Number of Control Devices	Maximum Dissipated Power Ta = -45°C to +40°C (T6)* Ta = -45°C to +55°C (T5)*
98-7009	1	4.9
98-7020	3	5.4
98-7035	6	9.0
98-7040	10	10.8
98-7060	15	14.9
98-7090	24	18.0
98-7150	35	31.0
98-7300	70	44.8
98-7750	156	108

The actual number of Control Devices that can be fitted to any enclosure will depend on the Power Dissipation figure for the combination envisaged.

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

	A	B	C	D	E	F	G	H	Weight (Kgs approx)
98-7009	116	116	73	100	100	65	138 Diagonal		1.0
98-7020	193	123	83	180	110	75	130	130	2.0
98-7035	280	140	118	267	127	110	180	150	3.0
98-7040	220	300	169	170	250	140	110	335	7.5
98-7060	300	300	169	250	250	140	150	335	8.0
98-7090	310	400	169	260	350	140	160	436	11.0
98-7150	440	390	189	390	340	160	240	426	14.5
98-7300	600	500	209	550	450	180	400	540	23.0
98-7750	960	600	219	910	550	190	760	640	41.0

MOUNTING BOLT SIZE: 98-7009, 98-7020, & 98-7035 = M6
 98-7040, 98-7060, 98-7090 & 98-7150 = M8
 98-7300 & 98-7750 = M10



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.

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