



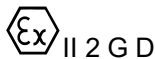
EC Type Examination Certificate CML 15ATEX3152 Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC
- 2 Equipment **Extension Range of Junction Boxes**
- 3 Manufacturer **Elecex Ltd.**
- 4 Address **118 North Main Street
Carronshore, Falkirk
FK2 8HR, UK**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 9 of Directive 94/9/EC, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EC Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 94/9/EC Article 8 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2012 EN 60079-1:2014 EN 60079-7:2007 EN 60079-18:2015

EN 60079-31:2014
- 10 The equipment shall be marked with the following:



Ex db eb mb* IIB/IIC** T6 or T5*** Gb

Ex tb IIIC T85°C or T100°C*** Db

Ta= -20°C or -40°C to +40°C or +55°C

* 'mb' is marked on the 0V and ESD units

** IIC is marked when a minimum ambient of -20°C is applied. IIB is marked when a minimum ambient of -40°C is applied.

*** T6/T85°C is marked when a maximum ambient of +40°C is applied. T5/T100°C is marked when a maximum ambient of +55°C is applied

M D Shearman FInstMC
Managing Director



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11 Description

There are three extension junction box arrangements covered by this certification; the Basic Extension, the 0V Extension and the ESD Extension. The ESD Extension (Emergency Shut-Down) features a separate previously certified ESD controller as an accessory. The units are described individually below:

Basic Extension

The Basic Extension Unit comprises of a component approved increased safety plastic enclosure, which may be mounted in a metal frame. There are four power sockets mounted on the walls of the enclosure. When the metal frame is used, this part is earthed via a wire connected to a tab mounted around the gland. Strain relief for the cable is provided by a P-clip mounted on the frame. At the opposite end of the factory installed cable there is an equipment approved plug.

Connections to external circuits are made by the end user by fitting the corresponding plugs/sockets to those provided on the equipment.

The maximum electrical ratings are 250 Vac, 16 A.

0V Extension

The 0V Extension Unit comprises of two component approved increased safety plastic enclosures mounted adjacent to each other and which may be mounted in a metal frame.

When the metal frame is used, this part is earthed via a wire connected to a tab mounted around the gland. Strain relief for the cable is provided by a P-clip mounted on the frame. At the opposite end of the factory installed cable there is an equipment approved plug.

The 0V Extension contains an assortment of terminals, contactors, switches and fuses to distribute and control the power supply to attached equipment.

The 0V Extension has four power sockets mounted on the walls of the enclosure and one earthed metal connector. The metal connector is to allow connection of a controlling device which can be used to remotely de-energise the sockets on the 0V Extension by applying/removing a healthy signal to the 0V Extension, power to the control circuit is supplied by the controlling device.

Connections to external circuits are made by the end user by fitting the corresponding plugs/sockets to those provided on the equipment.

The maximum electrical ratings are 250 Vac, 16 A.

ESD Extension

The ESD Extension is the same as the 0V Extension in all aspects apart from the metal connector which connects to a separately ATEX and IECEx certified ESD controller. Unlike the 0V Extension, the ESD Extension provides power to the control circuit.



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12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	09 Dec 2015	R729A/00	Issue of initial certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 The equipment covered by this certificate includes previously certified devices. It is the manufacturer's responsibility to continually monitor the status of these certified devices. These devices shall be installed in accordance with their certificates, instruction manuals and with EN 60079-14. The manufacturer shall also inform Certification Management Limited of any changes to these devices that may impact upon the explosion safety aspects of their equipment. A copy of the appropriate certification documentation for these devices shall be provided to the end user.
- 13.2 Each unit shall be subjected to a routine dielectric strength test in accordance with EN 60079-7:2007, clause 7.1. A test voltage of 1500 V r.m.s. shall be applied for 1 minute. Alternatively, a test voltage of 1800 V r.m.s. shall be maintained for 100 ms. No dielectric breakdown or flashover shall occur.

14 Special Conditions for Safe Use (Conditions of Certification)

None



Certificate Annex

Certificate Number CML 15ATEX3152
Equipment Extension Range of Junction Boxes
Manufacturer Elecex Ltd.

The following documents describe the equipment or component defined in this certificate:

Issue 0

Drawing No	Sheets	Rev	Approved date	Title
001-D1-A	1 to 2	A	09 Dec 2015	Extension General Arrangement
001-D2-A	1 to 2	A	09 Dec 2015	Schedule Wiring
001-R2-A	1 to 3	A	09 Dec 2015	Main Component Bill of Materials
001-D17-A	1 of 1	A	09 Dec 2015	Label drawing