National Standards Commission

Supplementary Certificate of Approval

No S243A

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

Critec Model LCP-01 Load Cell Protection Device

submitted by Critec Pty Ltd
Technopark
Dowsings Point
Hobart TAS 7010.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This Certificate is issued upon completion of a review of NSC approval No S243.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 December 1999.
This approval expires in respect of new instruments on 1 December 2000.

Instruments purporting to comply with this approval shall be marked NSC No S243A and only by persons authorised by the submittor.

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Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S243A in addition to the approval number of the instrument.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Special:

The approval of these devices does not in any way indicate approval by the Commission of any claims regarding the ability of these devices to protect load cells (or indicators) from damage. The approval means that the devices, when installed according to the manufacturer's specifications and within the limits of this approval, have not been found to detrimentally affect the performance of the weighing instrument.

DESCRIPTIVE ADVICE

Pattern: approved 25 November 1994

- A Critec model LCP-01 load cell protection device.

Variant: approved 25 November 1994

1. A model LCP-01 (type B) device.

Technical Schedule No S243A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S243A dated 10 March 1995
Technical Schedule No S243A dated 10 March 1995
Figures 1 and 2 dated 10 March 1995

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

National Standards Commission

TECHNICAL SCHEDULE No S243A

Pattern: Critec Model LCP-01 Load Cell Protection Device.

Submittor: Critec Pty Ltd
Technopark
Dowsings Point
Hobart TAS 7010.

1. Description of Pattern

The pattern is a Critec model LCP-01 load cell protection device (Figure 1), one or two of which may be inserted in the cabling of load cells which are Commission-approved for use with up to 5000 verification intervals and with a maximum excitation voltage of 24 V (AC or DC).

Note: The devices are intended to protect the load cells from damage caused by lightning, however this approval does not in any way imply that such protection will result from the use of these devices.

1.1 Method of Mounting

Installation is to be in accordance with the manufacturer's instructions and includes a Critec model LCP-02 surge reduction filter in the mains power supply to the digital indicator. Figure 2 shows a typical installation showing two model LCP-01 devices.

Note: Where the load cell is wired in a 4 wire system and it is necessary for the cable supplied with the cell to be cut in order to insert the load cell protection device(s), the cut-off cable should not be discarded but should be used to continue the load cell wiring.

1.2 Marking

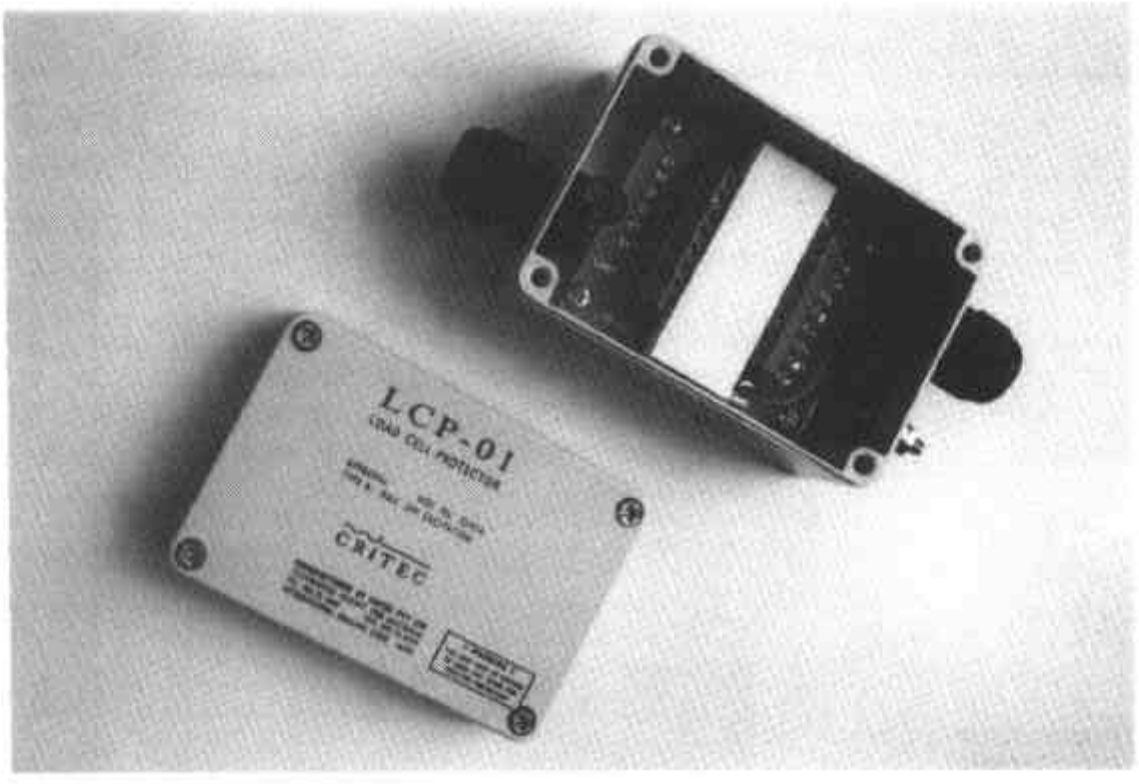
The following is the minimum data required to be marked on the load cell protection device:

Manufacturer's name or mark
Model number
Serial number
NSC approval number NSC No S243A

2. Description of Variant 1

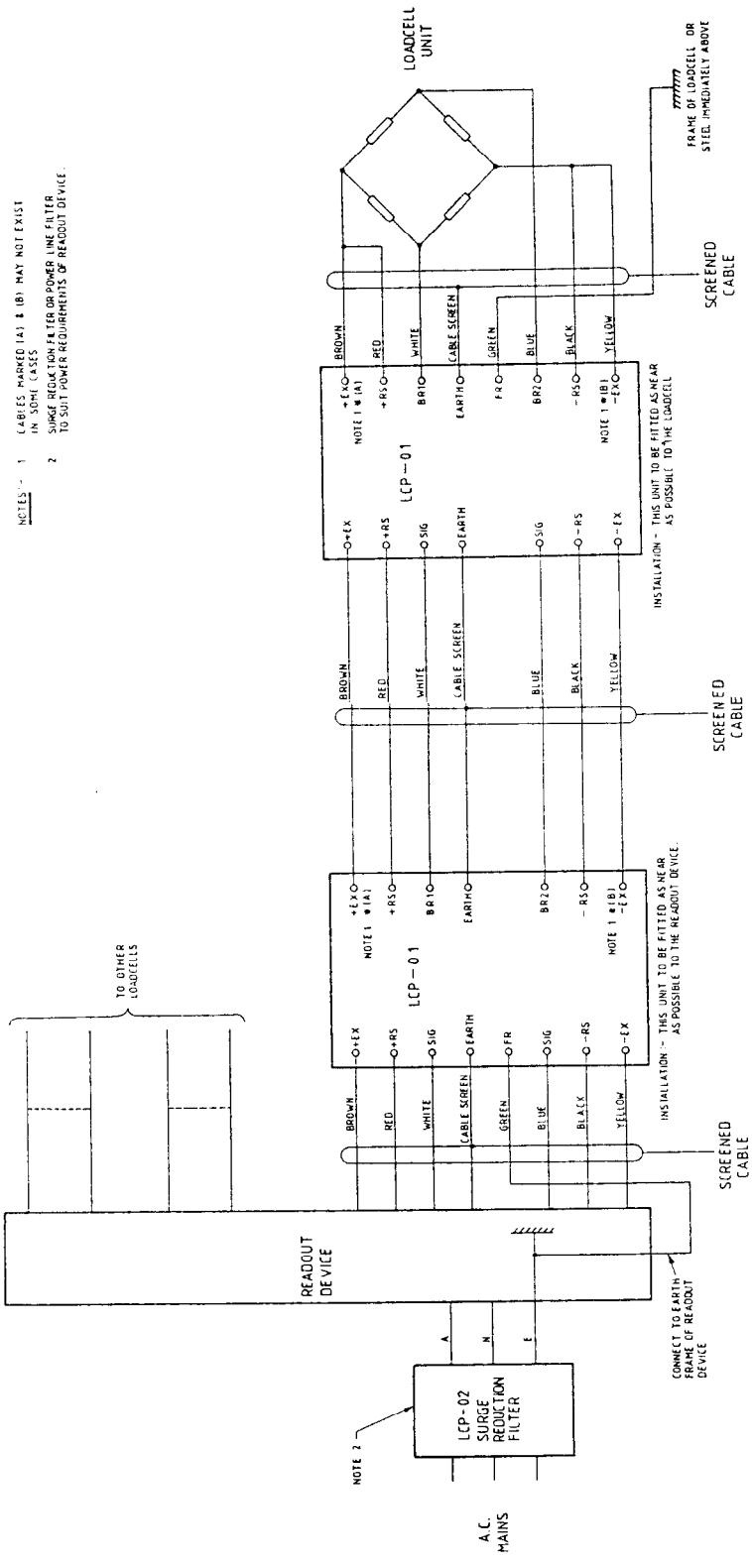
Model LCP-01 (type B) devices for use with load cells approved with maximum load cell excitation voltages between 25 and 50 V (AC or DC).

FIGURE S243A - 1



Critec Model LCP-01

FIGURE S243A - 2



Typical Installation