



NATIONAL STANDARDS COMMISSION

S243
27/1/89

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S243

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

Component Resources Model LCP-01 Load Cell Protection Device

submitted by Component Resources Pty Ltd
Technopark, Dowsings Point
Hobart TAS 7010.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/93.
This approval expires in respect of new instruments 1/10/94.

Instruments incorporating a device purporting to comply with this approval shall be marked NSC S243 in addition to the approval number of the instrument.

This approval may be withdrawn if these devices are constructed other than in accordance with the drawings and specifications lodged with the Commission.

Note:

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 lead cells (or indicators) from damage. The approval simply indicates that the devices when installed as per this approval have not been found to detrimentally affect the performance of the weighing instrument.

Signed

Executive Director

Descriptive Advice

Pattern: approved 28/9/88

- Component Resources model LCP-01 load cell protection device.

Variant: approved 28/9/88

1. Model LCP-01 (type B) for use up to up to 50 volts.

Technical Schedule No S243 describes the pattern and variant 1.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S243 dated 27/1/89
Technical Schedule No S243 dated 27/1/89
Figures 1 and 2 dated 27/1/89



TECHNICAL SCHEDULE No S243

Pattern: Component Resources Model LCP-01 Load Cell Protection Device.

Submitter: Component Resources Pty Ltd
Technopark, Dowsings Point
Hobart TAS 7010.

1. Description of Pattern

The pattern is a Component Resources model LCP-01 (type A) 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 model LCP-02 surge reduction filter in the mains power supply to the digital indicator. Figure 2 shows a typical installation using 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 cable cut-off 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:

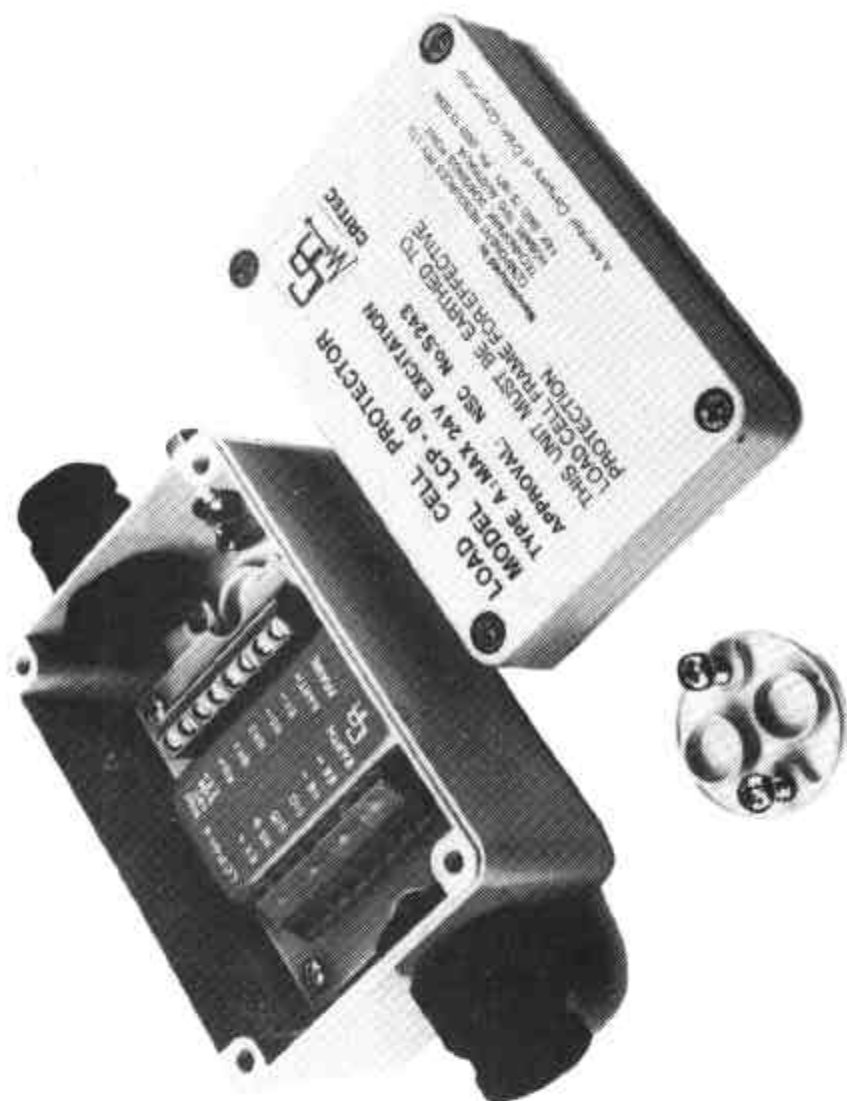
Manufacturer's name or mark
Model number
Serial number
NSC approval number

NSC No S243

2. Description of Variant 1

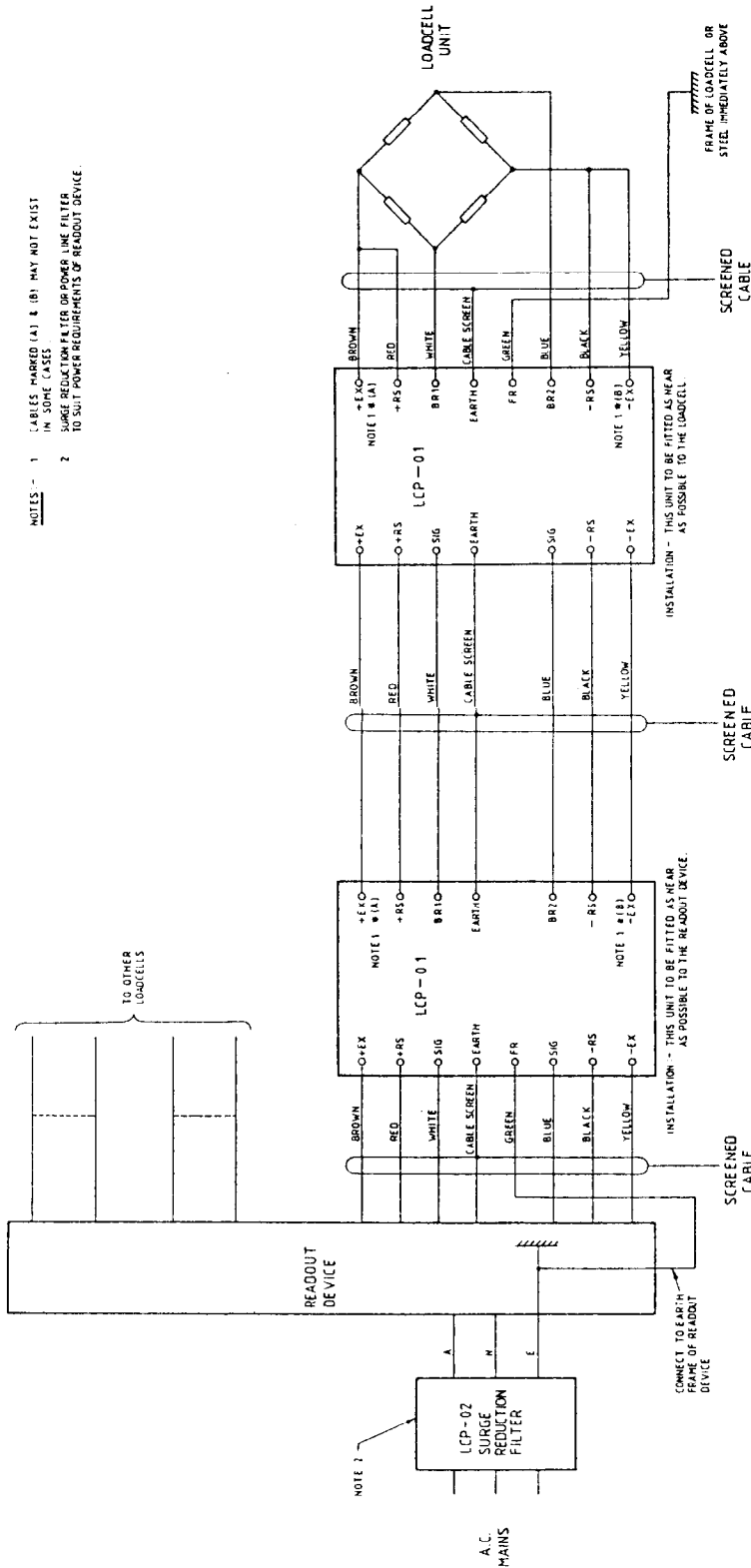
Model LCP-01 (type B) for use with load cells with maximum load cell excitation voltages between 25 and 50 V (AC or DC).

FIGURE S243 - 1



Component Resources Model LCP-01

FIGURE S243 - 2



- NOTES -
- 1 LABELS MARKED (A) & (B) MAY NOT EXIST IN SOME CASES.
 - 2 SURGE REDUCTION FILTER OR POWER LINE FILTER TO SUIT POWER REQUIREMENTS OF READOUT DEVICE.

Typical Installation