



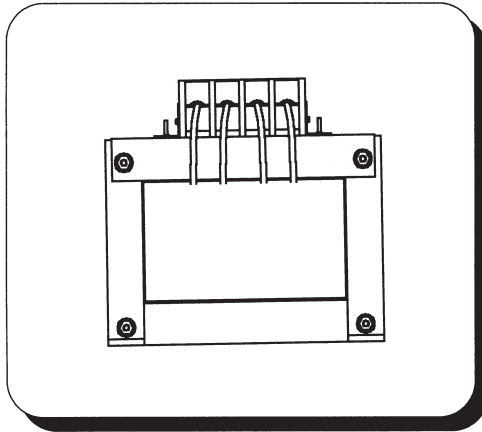
Auxiliary Current Transformer
1:1 amperes through 400:5 amperes

Application

DCR-951 and DCR-952 indoor or enclosure mounted auxiliary current transformers are specifically designed to provide the ability to change effective ratios of existing CTs by being connected across the output of a main CT. The need for this product's performance level will be demonstrated when a user completes appropriate relay circuit loading calculations. The **DCR-951** is available up to 100 primary amperes and relay accuracy of T200, with an additional performance range provided by the **DCR-952** series of up to 400 primary amperes and T400. These conservative designs insure desired performance with a safety margin at the IEEE 20X normal current operating requirement. These units are intended to be used as step-up or step-down only units as indicated on the unit nameplate. Another benefit of this product is to provide isolation between primary and secondary circuits.

Fabrication

The core is made of grain oriented silicon steel laminations. Primary and secondary windings are wound type and assembled with the core prior to impregnation. Impregnation improves the general dielectric performance. On units at 30 amperes and below, windings are routed to a top mounted terminal block. Units having higher ampere ratings are fitted with terminal lugs or bars to make the necessary electrical connection. Terminal markings are clearly identified.



Accuracy

DCRs are available with single ratios for meter accuracy or relay accuracy of up to T400. The performance of the correctly specified **DCR** will insure desired relay operation. Rating factors are normally 1.5 for ratios below 20:5 and 1.0 for ratios at and above 20:5.

Testing

Every transformer is tested in accordance with IEEE STD C57.13 (Latest revision). Every transformer is checked for accuracy at various stages of manufacture. Comparisons are made with standards traceable to NIST to validate accuracy performance for all CTs. Relay "T" classification rating performance is verified by excitation measurements.

Specification Requirements

When specifying **DCRs** the following information is useful to the design engineer in satisfying your needs:

1. Ratio (Note: Many non-standard and unusual ratios are available to provide ratio matching for each application need.)
2. Primary and Secondary Currents.
3. Step-up or Step-down configuration.
4. Accuracy and burden rating i.e.
Relay: Up to T400, Meter: 0.3@B0.5.

Consult factory when your needs are for ratios, winding taps or accuracy that are higher or lower than those listed on the reverse of this sheet.

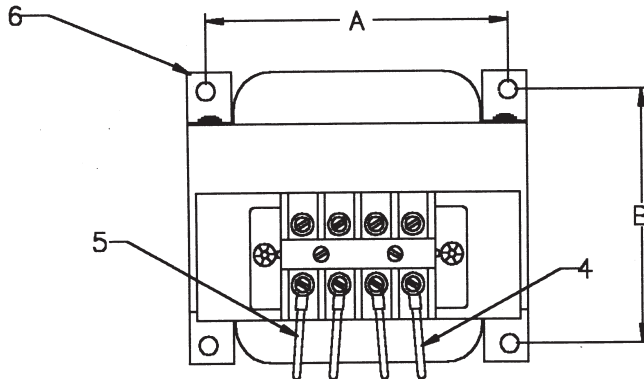
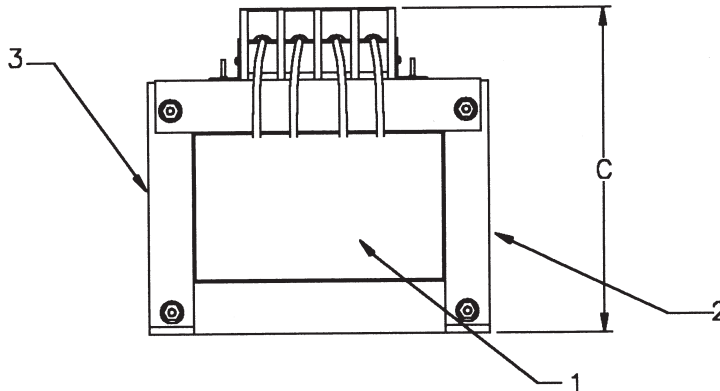
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**Auxiliary Current Transformer
1 : 1 amperes through 400 : 5 amperes**

Many more ratios available.

Call factory for ratios or accuracy above or below these listed here.

Step up or step down designs available.



DCR-951	T100
1 : 1	AA0020T10R15H01
5 : 0.1	AA0021T10R15H01
5 : 0.5	AA0031T10R15H01
5 : 1	AA0081T10R15H01
5 : 5	AA0291T10R15H01
7.5 : 5	AA0351T10R15H01
10 : 5	AA0101T10R15H01
DCR-951	T200
3 : 5	AA0065T20R15H01
4 : 5	AA0742T20R15H01
5 : 5	AA0632T20R15H01
5 : 10	AA1282T20R15H01
10 : 10	AA0892T20R15H01
15 : 5	AA0872T20R15H01
20 : 5	AA0882T20R10H01
25 : 5	AA1862T20R15H01
30 : 5	AA1242T20R15H01
40 : 5	AA5004T20R10H03
DCR-952	T200
50 : 5	AC0382T20R15H03
75 : 5	AC6003T20R15H03
100 : 5	AC6009T20R15H03
200 : 5	AC6010T20R15H03
DCR-952	T400
5 : 2.5	AC0061T40R15H01
5 : 5	AC0194T40R15H01
10 : 5	AC6004T40R15H01
50 : 5	AC6008T40R10H03
100 : 5	AC6005T40R10H03
200 : 5	AC6006T40R10H03
400 : 5	AC6007T40R10H03

Catalog last digit 03 means bus bar termination or any termination carrying greater than 30 amperes.

This information is subject to change without notice. Not responsible for typographical errors.

Specifications (Typical)

	DCR-951	DCR-952
Model	DCR-951	DCR-952
Relay Accy	UP TO T200	UP TO T400
A = W	5	6.5
B = L	Varies	Varies
C = H	5.7	7.7
Weight	varies	varies

Description

1. Winding assembly.
2. Core.
3. Nameplate.
4. Secondary leads.
5. Primary leads.
6. Mounting location.

Note: Internal burden information is available by contacting the factory.

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Call factory for ratios or accuracy above or below these listed here.

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