

DESCRIPTION

PRODUCT COVERED:

USR, CNR Type T11-, followed by Suffixes 1 through 9, followed by 1, followed by 0 through 9, with or without suffix Letter R, with or without N, followed by three digits indicating rated current, may also be followed by suffix number up to three digits indicating rated current.

GENERAL:

These devices are open thermally-operated manually reset overcurrent devices. They are intended to be used in appliances, battery chargers and similar equipment where the suitability of the combination has been determined by Underwriters Laboratories Inc.

Ratings:

Contact Ratings: Type T11-XXX... - 0.05-16 A, 240 V ac
0.05-16 A, 48 V dc

Nomenclature - They are designated:

<u>T11</u>	-	<u>2</u>	<u>1</u>	<u>4</u>	<u>N</u>	<u>4.0</u>	<u>0200</u>
I		II	III	IV	V	VI	VII

I - Indicated basic device (T11).

<u>Trip Setting A+</u>	<u>Heater Provided</u>
------------------------	------------------------

0.05 through 6	Yes
Over 6	No

+ - Adjustable trip setting set by manufacturer and marked in device.

II - Nos. 1 through 9 indicate mounting option; threaded neck type, snap-in, drop-in.

III - Manual close operation with automatic opening.

IV - Indicated terminal options; quick-connect, solder, etc.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USR - Indicates United States Recognition. Products evaluated to U.S. Standards for Recognition, UL 1077, Fifth Edition.

CNR - Indicates Canadian Recognition. Products evaluated to Canadian National Standard, CAN/CSA-C22.2 No. 235-M89.

V - Construction variations:

N - Indicates three terminal construction.

R - Indicates setting construction.

VI - Indicates rated current in Amps.

VII - Indicates variations of fixations, bending of terminal and special calibration; may contain up to three digits.

Remark - According to UL 1077, July 2, 1981, Par. 27.2 instead of the "Trip Setting" the rated current is marked on the device. Trip curve is shown on ILL. 11.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in complete equipment applications where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. These devices should be mounted in enclosures having adequate strength and thickness in the intended manner and with acceptable spacings being provided. The thermoplastic body has not been evaluated for suitability as an enclosure.

2. When mounted in enclosures, the test record should be reviewed to determine if tests need to be repeated, giving particular attention to heating tests. The 16 A rated device should be wired with No. 12 AWG wire with insulation rated at 90°C or higher. The tests were conducted in a 3-1/2 by 3 by 3 in. thermally nonconductive box. The short circuit tests were conducted in the open for most severe results.

3. The terminals are to be factory wired only and the suitability of the connection shall be determined.

4. These devices are trip free. That is, they will trip under overload condition even if the reset actuator is held in.

5. Spacings to the terminals should be maintained within the requirements of the end-use application.

6. The protectors have completed 50 operation overload tests at 200 percent of rated current.

7. These protectors have been designated trip-free.