

RCT MODULE

EMERGENCY LIGHTING EQUIPMENT

PHILIPS bodine

A Division Of Philips Electronics North America Corporation

TO ADD REMOTE CONTROL TESTING FEATURE TO FLUORESCENT EMERGENCY FIXTURES

Product Summary

UL LISTED

Field Installation
(Indoor and Damp Locations)



Emergency Ballast Compatibility

B33, B30, B50, B50U, BDL500, B60, BDL600, B84C, B426, BDL426, LP550, LP600, GEN1 & GEN3

Full Warranty

5 Years (NOT pro-rata)

Electrical Supply

Dual Input Voltage 120 or 277 VAC, 60 Hz

Fusing

All inputs internally fused to 3A

AC Input Current

120 VAC: 30 mA (Idle), 35 mA (Test)
277 VAC: 70 mA (Idle), 70 mA (Test)

AC Input Power Rating

120 VAC: 0.48 W (Idle), 0.26 W (Test)
277 VAC: 1.4 W (Idle), 1.4 W (Test)

Maximum Ballast Load

Up to 3A

Temperature Rating (Ambient)

0°C to 50°C
(32°F to 122°F)

Dimensions

8." L x 1.2" W x 1.15" H
(204 mm x 30.5 mm x 29.2 mm)
RCT-C Module Flexible Conduit: 2' (610 mm)

Weight

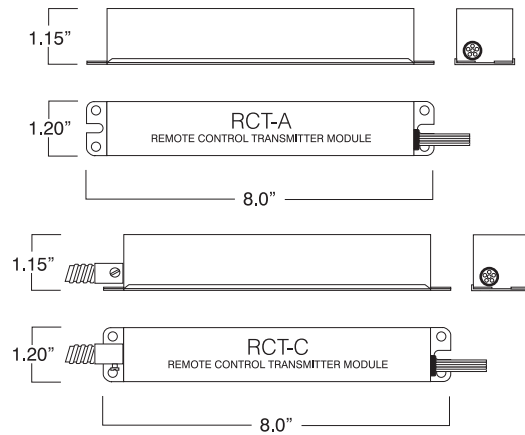
RCT-A: 0.63 (0.28)
RCT-C: 0.82 (0.37) w/Conduit

Product Features

Remote Control Testing Operation
RCT-C Module: Plenum-Rated
Infrared Receiver Included

Accessories (Required)

WHRCT Remote Control Transmitter
(Sold Separately)



APPLICATION

The RCT remote control testing module works in conjunction with an AC ballast, Philips Bodine emergency ballast and Philips Bodine remote control transmitter to convert existing fluorescent fixtures into remote control testing emergency lighting. The module consists of an infrared receiver and electronic circuitry in one compact galvanized steel case. The RCT Module can be used with select Philips Bodine emergency backup ballasts: B33, B30, B50, B50U, BDL500, B60, BDL600, B84C, B426, BDL426, LP550, GEN1 and GEN3. A WHRCT remote control transmitter (sold separately) is required. One remote control transmitter can be used to test any fixture equipped with the RCT feature. The RCT Module is suitable for indoor and damp locations. It is not suitable for air handling heated air outlets or for wet or hazardous locations. Recommended applications include fluorescent emergency lighting fixtures in high bay, auditorium, gymnasium, conference room and clean room applications.

OPERATION

The RCT module uses internal relays to control the AC power supplies that feed the AC ballast and Philips Bodine emergency ballast. To activate a remote control testing sequence, point the remote control transmitter toward the module's infrared receiver, select the 30-second or 90-minute test and observe test results. No routine maintenance is required to keep the RCT Module functional; however, like other life safety unit equipment, it should be checked periodically to ensure that it is working properly. The RCT module does not inhibit traditional testing of emergency ballast operation. Testing can still be performed by means of the test switch or circuit breaker.

INSTALLATION

The RCT Module does not affect normal fixture operation and requires an unswitched source of power. The module must be fed from the same branch circuit as the AC ballast and emergency ballast. RCT-A Module comes fully assembled and ready to mount in the ballast channel. RCT-C Module comes fully assembled with two feet of flexible conduit and plenum-rated infrared (IR) receiver for installation on top of the fixture. (See Illustrations 1 & 2, Fixture Types.) On a lensed fixture, the infrared receiver should be adjusted so that it mates flush to the inside of the fixture lens. The IR receiver should be installed to allow line-of-sight access with the remote control transmitter.

UL LISTED

The RCT Module has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment," and is UL Listed for field installation.

Specifiers Reference

Project _____ Type _____ Model No. _____
Comments _____

L2000026

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RCT™ MODULE

EMERGENCY LIGHTING EQUIPMENT

TO ADD REMOTE CONTROL TESTING FEATURE TO FLUORESCENT EMERGENCY FIXTURES

SPECIFICATION

Remote control testing emergency lighting shall be provided by using a standard fluorescent fixture equipped with an RCT-A Module or RCT-C Module, a Philips Bodine model B33, B30, B50, B50U, BDL500, B60, BDL600, B84C, B426, BDL426, LP550, LP600, GEN1 or GEN3 emergency/backup ballast and WHRCT remote control transmitter (sold separately). The module shall be capable of testing emergency lighting for 30 seconds or 90 minutes. The module shall consist of an infrared receiver and electronic circuitry contained in one 8" x 1.2" x 1.15" galvanized steel case shall operate at 120 or 277 VAC, 60 Hz (see Product Summary for input power specifications) and shall comply with the current NEC. The module shall be UL Listed for installation on top of or remote from the fixture and shall be warranted for a full five years from date of purchase. A WHRCT remote control transmitter with 30-second/90-minute test sequences and test reset button is required.

WARRANTY

The RCT Module is warranted for five (5) full years from date of purchase. This warranty covers only properly installed remote control testing modules used under normal conditions in conjunction with a Philips Bodine emergency ballast. For the warranty period, Philips Emergency Lighting will, at its option, repair or replace without charge a defective module, provided it is returned to the factory transportation prepaid and our inspection determines it to be defective under terms of the warranty. Repair or replacement, as stated above, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the module.

ILLUSTRATION 1

Troffer Fixture

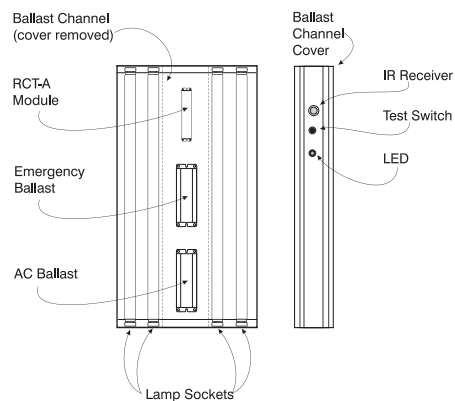
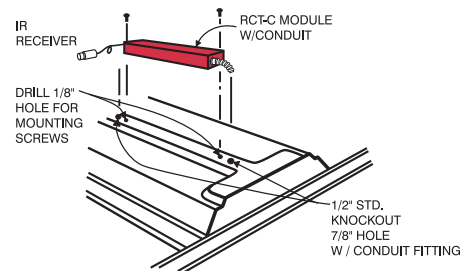


ILLUSTRATION 2

Top of Fixture Installation



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