



→ RCT technology allows point-and-click testing for emergency lighting.

▶ Point-Click-Test

Remote Control Technology from Bodine

The NFPA 101® Life Safety Code®, among others, mandates that emergency lighting be tested regularly. Testing helps to ensure emergency lighting is working properly whenever it's needed, which is critical to occupant safety and can be a significant factor should liability issues arise. Testing is not optional. It is, however, often costly and time consuming. Bodine's remote control testing technology for emergency lighting reduces both the time and expense in meeting code while making it easier to do the most important thing -- keep people safe.

Manual testing requires maintenance personnel to use ladders or extension devices to access emergency lighting units. To comply with the Life Safety Code, maintenance personnel must take their ladders or extensions into what may be high traffic areas every 30 days to conduct a 30-second test of emergency operation for each emergency fixture, exit sign and emergency lighting wall pack. A 90-minute annual test is also required. The time, inconvenience, potential hazards and related expense involved in the testing process are evident and may, in some cases, result in compliance failure. Remote control technology provides a welcome change.

Benefits of Remote Control Testing

Remote control testing with CheckMate or RCT greatly improves the testing process. It reduces testing time, reduces testing costs in terms of labor hours, dramatically lessens the workload and inconvenience involved, can be done with minimal interruption to normal facility activities and, most importantly, provides assurance that emergency lighting will be there when it's needed. If simplified testing with big benefits is your goal, contact The Bodine Company at 800-223-5728 or visit our website, www.bodine.com.



▶ Recommended uses include buildings with fluorescent high bay fixtures, theater auditoriums, gymnasiums, conference rooms and any other location with heavy traffic patterns or hard-to-reach fixtures.

CheckMate™ ET1

The CheckMate ET1 provides remote control testing for existing exit signs and emergency lighting wall packs.

- ▶ Installs easily on existing exit signs and wall packs
- ▶ Permits testing from up to 32 feet away
- ▶ Requires only one handheld WHRCT remote control transmitter per job site
- ▶ Includes 30-second and 90-minute test options, in accordance with code
- ▶ Uses infrared technology that resists radio frequency (RF) signals, noise and other interference
- ▶ Suitable for damp locations
- ▶ Universal input (120-277 VAC, 60 Hz)
- ▶ Dimensions: 4.06" L x 1.26" W x 1.03" H
- ▶ 5-Year Warranty
- ▶ UL Listed

RCT™ Remote Control Testing Fluorescent Emergency Ballasts

Bodine's RCT Remote Control Testing Fluorescent Emergency Ballasts turn fluorescent fixtures into remote control test units.

- ▶ Permits testing from up to 32 feet away
- ▶ Requires only one handheld WHRCT remote control transmitter per job site
- ▶ Includes 30-second and 90-minute test options, in accordance with code
- ▶ Uses infrared technology that resists radio frequency (RF) signals, noise and other interference
- ▶ Are installed inside or on top of the fixture
- ▶ 5-Year Warranty
- ▶ UL Listed

Two specification-grade RCT models are available, the B30RCT and B50RCT.

Model	Lumen Output	Lamps Operated
B30RCT	1800-3500	One 17-215 W (2'-8") or two 17-40 W (2'-4") T8s, T9s, T10s or T12s; one or two 18-42 W (4-pin) twin, quad or triple twin-tube lamps; one 18-55 W or two 18-39 W long compact lamps
B50RCT	1100-1400	One 17-215 W (2'-8") or two 17-40 W (2'-4") T8s, T9s, T10s or T12s; one 18-55 W or two 18-39 W long compact lamps

Two retrofit RCT modules, RCT-A (without conduit) and RCT-C (with conduit), are also available. The RCT modules work in conjunction with select Bodine emergency/backup ballasts and an AC ballast to convert existing emergency lighting fixtures into remote control test emergency lighting units.

NFPA 101® Life Safety Code® (2006)

7.9.3.1.1 Testing of required emergency lighting systems shall be permitted to be conducted as follows:

- (1) Functional testing shall be conducted at 30-day intervals for not less than 30 seconds.
- (2) Functional testing shall be conducted annually for not less than 1½ hours if the emergency lighting system is battery powered.
- (3) The emergency lighting equipment shall be fully operational for the duration of the tests required by 7.9.3.1.1(1) and 7.9.3.1.1(2).
- (4) Written records of visual inspections and tests shall be kept by the owner for inspection by the authority having jurisdiction.

For added convenience, all CheckMate and RCT models may be tested with ONE WHRCT remote control transmitter.



CheckMate Operation

The **CheckMate ET1** remote control testing unit uses an internal relay to control the AC power supplied to an exit sign or emergency lighting unit. To activate a remote control testing sequence, point the WHRCT remote control transmitter (sold separately) toward the module's infrared receiver, select the 30-second or 90-minute test and observe test results. The CheckMate ET1 does not inhibit traditional testing of the exit sign or the emergency lighting unit. Traditional testing can be performed by means of the test switch or circuit breaker.

RCT Operation

When AC power fails, the RCT immediately switches to the emergency mode, operating either one or two lamps for a minimum of 90 minutes. When AC power is restored, the RCT automatically returns to the charging mode. During remote control testing, the RCT simulates an AC power failure by causing the emergency ballast to switch to emergency mode and then conducting a 30-second or 90-minute discharge test to monitor emergency ballast operation. When testing is complete, the RCT returns to the charging mode.

Note: For end-user convenience, the emergency ballast is supplied with a single-pole test switch. Manual testing may be conducted at any time.

About The Manufacturer

The Bodine Company, founded in 1962, designs and manufactures innovative, superior quality emergency and specialty lighting solutions. Products are sold through a nationwide network of manufacturers' representatives and electrical distributors for field installation or directly to lighting fixture manufacturers for factory installation only. Manufacturing, engineering and sales facilities are based in Collierville, Tennessee, USA. The Bodine Company is a member of the Illuminating Engineering Society of North America (IESNA) and the National Electrical Manufacturers Association (NEMA). *Bodine is a division of Philips Electronics North America Corporation.*