

mcPhilben®

emergency lighting

Job Name: _____
 Type: _____
 Voltage: _____



MTD20 (Auxiliary Power) Transfer Device

CODES & STANDARDS

UL924 listed
 Meets NFPA Life Safety Code 101, NEC,
 OSHA, Local and State Codes
 UL 94V-0 Flame rating

VOLTAGE INPUT

Models available for 120 or 277VAC operation.

APPLICATION

MTD20 Series power control modules are designed to allow locally switched lighting fixtures to be wired for emergency operation from either generator, inverter system, or secondary sources.

Approved for in-wall or in-ceiling applications. Compatible with motion detector and photocells.

INSTALLATION

Slim - recessed portion is only 1.5" deep
 Fast, easy installation in standard electrical boxes.
 Low profile design allows installation in standard electrical boxes.

OPERATION

During normal operation, LEDs on the MTD20 module's faceplate indicate the presence of both utility (green) and emergency (red) power and the local switch will be capable of turning all circuit lighting fixtures on or off as required. During utility power failures, emergency lighting fixtures controlled by the MTD20 module will illuminate regardless of local switch position. If, during normal operation, emergency backup power is lost, the MTD20 module will automatically produce an audible alarm as an alert to this potentially hazardous condition.

LOAD

Full 20 amp load capability.

ENERGY CONSERVATION

Recent energy mandates require improved vigilance in the conservation of resources. By eliminating the need for nightlight circuits, MTD20 power controls conserve energy by allowing all area ambient lighting to be turned off while still assuring the availability of emergency illumination in the event of a utility power failure.

CIRCUITRY

Surge and short circuit protection
 Operating temperature 20°F to 150°F
 Visual power readiness indicators provide status at a glance
 Audible emergency power circuit failure alarm
 Built-in manual emergency circuit test feature
 Momentary test switch.

WARRANTY

The MTD20 Series has undergone rigorous testing and has been designed to provide years of trouble-free operation. All MTD20 power controls are backed by a full 5-year replacement warranty from date of purchase.

Catalog Number	Description
MTD20-120	Wall or Ceiling Mounted Emergency Power Control - 120VAC
MTD20-277	Wall or Ceiling Mounted Emergency Power Control - 277VAC

SPECIFICATIONS

Catalog No.	Ballast Load	Tungsten Lamp Load	Amp Rating	HP Rating
MTD20-120	20 Amp	1,000W	20	1.0
MTD20-277	20 Amp	1,500W	20	1.5

DIMENSIONS

Dimensions			Color	Weight (Ounces)
Length	Width	Height		
2-3/4"	4-3/4"	1-3/4"	White	8

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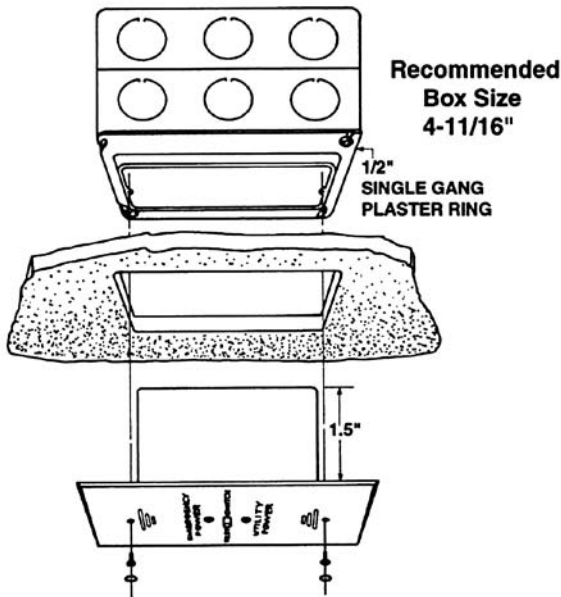
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AUTOMATIC AND MANUAL TESTING

The MTD20 power control automatically initiates a test of the emergency lighting fixtures whenever the local switch is turned off. Upon turning off the local switch, the designated emergency lighting fixtures will remain illuminated for an additional 5 seconds to assure system readiness.

MTD20 power controls may also be checked manually at any time through the integral test switch provided on the module's faceplate. With the local lighting turned off and both utility and emergency power present, pressing the MTD20 test switch will cause the controlled emergency fixtures to illuminate for 5 seconds.

CEILING OR WALL INSTALLATION



WIRING DIAGRAM

