Murray MP3030

Murray MP3030 Duplex Type MH-T Circuit Breaker Instruction Manual

MODEL: MP3030

Duplex Type MH-T Circuit Breaker, 120 Vac, 30 A, 2 P, 10 KA

1. Introduction and Safety Information

This manual provides essential information for the safe installation, operation, and maintenance of the Murray MP3030 Duplex Type MH-T Circuit Breaker. This circuit breaker is designed for use in Murray load centers and meter combinations that are rated to accept Type MH-T breakers. Always consult the wiring diagram of your specific load center to confirm compatibility.

Important Safety Notice: Installation and servicing of electrical equipment should only be performed by qualified, licensed electricians. Failure to follow these instructions can result in serious injury, death, or property damage. Always disconnect power at the main service panel before working on electrical circuits.

2. Product Overview

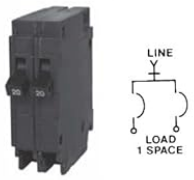
The Murray MP3030 is a duplex, 1/2-inch frame circuit breaker. It combines two independent 1/2-inch breaker poles into a single unit, allowing for space-saving in load centers. This unit plugs into one load center stab and requires one panel space. It is HACR rated.

Duplex, Triplex and Quadplex Plug-in Breakers

Duplex Circuit Breakers

Breaker Type	Ampere Rating	Catalog Number	Catalog Number
MH-T 1-Pole 10K AIC 120V AC	15–15	MP1515	MP1515N①
	15–20	MP1520	MP1520N■①
	20–20	MP2020	MP2020N①
	20–30	MP2030	MP2030N■①
	15–30	MP3015■	MP3015N■①
	30–30	MP3030	MP3030N■①
	SHIPPING: 12 per carton, (Wt. 4.8 lbs.)		

MH-T Duplex

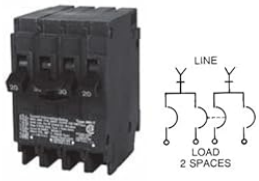


These space saver duplex breakers combine two independent 1/2" breaker poles in a common unit. This unit plugs into one load center stab and requires one panel space. HACR rated.

Triplex Circuit Breakers

Breaker Type	Ampere Rating: Single Pole	Ampere Rating: Common-Trip 2-Pole	Catalog Number
MH-T 2-Pole 10K AIC 120/240V AC Inner Poles Common Trip. Outter Poles 1 Pole Units	15	15	MP21515
	15	20	MP22015
	15	25	MP22515■
	15	30	MP23015
	15	35	MP23515■
	15	40	MP24015
	15	45	MP24515■
	15	50	MP25015
	20	20	MP22020
	20	25	MP22520■
	20	30	MP23020
	20	35	MP23520■
	20	40	MP24020
	20	45	MP24520■
	20	50	MP25020
	SHIPPING: 6 per carton, (Wt. 4.9 lbs.)		

MH-T Triplex

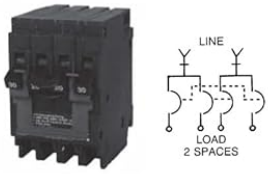


These space saver triplex breakers provide a 2-pole common trip breaker for 120/240V AC circuits and two single poles for 120V AC circuits. Triplex require two panel spaces. HACR rated.

Quadplex Circuit Breakers

Breaker Type	Ampere Rating: Single Pole	Ampere Rating: Common-Trip 2-Pole	Catalog Number
MH-T 2-Pole 10K AIC 120/240V AC Outter and Inner 2 Poles Common Trip	15	15	MP215215CT2
	15	20	MP220220CT2
	20	30	MP220230CT2
	20	40	MP220240CT2
	30	30	MP230230CT2
	30	40	MP230240CT2
	40	40	MP240240CT2
	50	30	MP250230CT2
	SHIPPING: 6 per carton, (Wt. 4.8 lbs.)		

MH-T Quadplex



These space saver quadplex breakers provide two sets of common trip, two-pole breakers for 120/240V AC circuits, and require two panel spaces. HACR rated.

For external accessories please refer to page 3-20.

■ Built to order. Allow 2–3 weeks for delivery.

①Non-CTL.. For replacement use only in panels manufactured before 1968.

Figure 1: Murray MP3030 Duplex Type MH-T Circuit Breaker. This image shows the front and side view of the circuit breaker, highlighting its compact design and the two independent switches.

Figure 2: MH-T Duplex Circuit Breaker Diagram. This diagram illustrates the physical appearance of the duplex breaker and its internal wiring schematic, showing the line connection and the two load connections occupying one panel space.

3. Installation

Installation of the MP3030 circuit breaker must be performed by a qualified electrician in accordance with

all local and national electrical codes.

1. **Power Disconnection:** Before beginning any work, ensure that the main power supply to the load center is completely disconnected at the main service panel. Verify with a voltage tester.
2. **Panel Access:** Carefully remove the cover of the load center to expose the bus bar and wiring area.
3. **Breaker Placement:** Identify an available slot in the load center. The MP3030 is a 1/2-inch frame breaker and requires one panel space.
4. **Connection:** Hook the rear of the breaker onto the retaining clip on the load center's bus bar. Apply firm, even pressure to the front of the breaker until it snaps securely into place.
5. **Wiring:** Connect the circuit wires to the appropriate terminals on the breaker. The MP3030 provides two single-pole circuits. Ensure all connections are tight and secure.
6. **Cover Replacement:** Once all connections are made and verified, replace the load center cover.
7. **Power Restoration:** Restore power at the main service panel.

To ensure the warranty on a Murray panel is not voided, the use of Murray breakers is required.

4. Operation

The Murray MP3030 circuit breaker functions as a protective device for electrical circuits. Each of the two poles operates independently.

- **ON Position:** When the breaker handle is in the 'ON' position, power is supplied to the connected circuit.
- **OFF Position:** Moving the handle to the 'OFF' position manually disconnects power to the circuit.
- **TRIPPED Position:** If an overload or short circuit occurs, the breaker will automatically move to a 'TRIPPED' position (typically midway between ON and OFF). This indicates a fault and interrupts power to protect the circuit.

To reset a tripped breaker, first move the handle firmly to the full 'OFF' position, then push it to the 'ON' position. If the breaker immediately trips again, do not attempt to reset it repeatedly. This indicates a persistent fault that requires investigation by a qualified electrician.

5. Maintenance

Circuit breakers are generally maintenance-free devices. However, periodic visual inspection is recommended.

- Ensure the load center area is clean and free from dust, debris, or obstructions.
- Check for any signs of physical damage, discoloration, or loose connections on the breaker or wiring.
- Do not attempt to open or repair the circuit breaker. If it is damaged or malfunctioning, it must be replaced.

Any maintenance requiring access to internal components of the load center or direct handling of the breaker should only be performed by a qualified electrician with the power disconnected.

6. Troubleshooting

If you experience issues with your circuit breaker, consider the following:

- **Breaker Trips Frequently:** This often indicates an overload on the circuit or a short circuit. Disconnect some appliances or devices from the circuit and try resetting the breaker. If it continues to trip, there may be a wiring fault or a faulty appliance.

- **Breaker Does Not Reset:** If the breaker will not stay in the 'ON' position after being reset, a persistent fault (overload or short circuit) is present. Do not force the breaker.
- **No Power to Circuit, Breaker Not Tripped:** Check if the main breaker in the service panel has tripped. If not, and the breaker is in the 'ON' position, there might be a loose connection or a fault within the circuit wiring.

For any persistent electrical issues or if you are unsure about the cause of a problem, contact a qualified electrician immediately. Do not attempt to diagnose or repair complex electrical faults yourself.

7. Specifications

Specification	Detail
Brand	Murray
Model Number	MP3030
Current Rating	30 Amps
Circuit Breaker Type	Standard, Duplex Type MH-T
Mounting Type	Plug-In Mount
Number Of Poles	1 (two independent 1/2-inch poles)
Voltage	120 Volts AC
Item Weight	5.9 ounces
Product Dimensions	3.5 x 3.5 x 2 inches
Material	Copper
Global Trade Identification Number (GTIN)	040892507768

8. Warranty Information

The Murray MP3030 Duplex Type MH-T Circuit Breaker comes with a Lifetime warranty for parts only. For specific terms and conditions, please refer to the official warranty documentation provided by Murray or Siemens -HI.

9. Support

For technical assistance, warranty claims, or further information regarding the Murray MP3030 circuit breaker, please contact a qualified electrician or refer to the official Murray (Siemens -HI) support channels. Always ensure that any electrical work is performed by certified professionals.