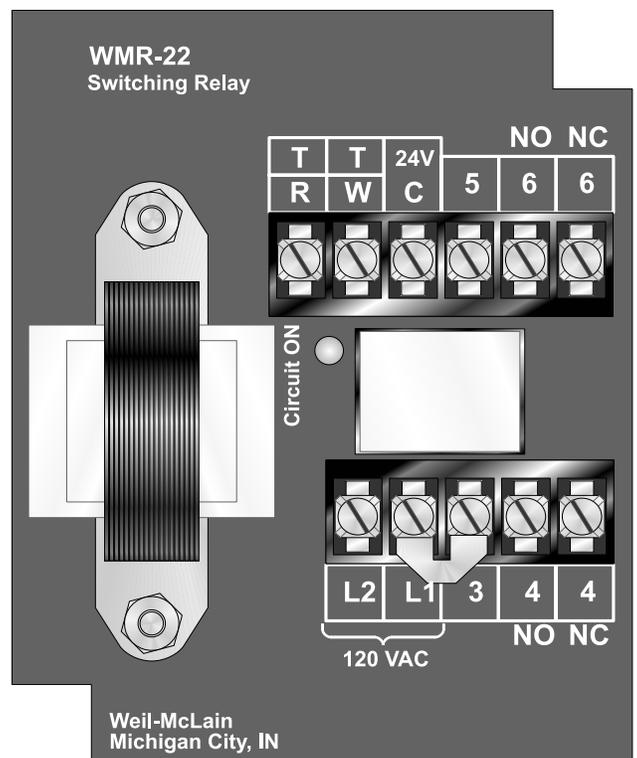
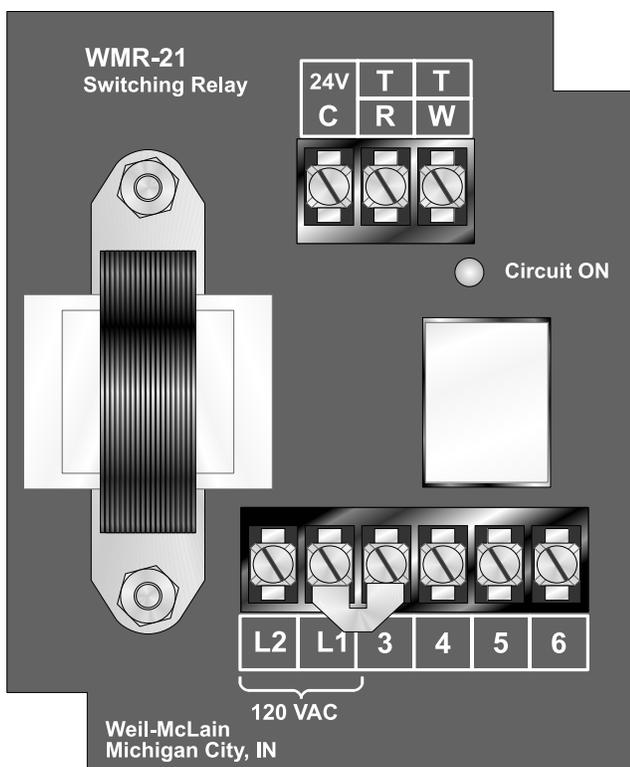


WMR

Switching Relays

Instruction manual

- **WMR-21** DPST (Double-pole/single throw)
- **WMR-22** DPDT (Double-pole/double throw)



This manual must only be used by a **qualified heating installer/service technician**. Failure to comply could result in severe personal injury, death or substantial property damage.

WMR Switching Relays



| | | |
|-----------------|---|----------|
| Contents | Hazard definitions and “To the installer” | 2 |
| | Specifications and replacement parts | 2 |
| | WMR-21 layout, schematic diagram and cross reference table | 3 |
| | WMR-22 layout, schematic diagram and cross reference table | 3 |
| | WMR-21 and WMR-22 General wiring | 4 |
| | WMR-21 Typical application wiring | 4 |

Hazard definitions



Indicates presence of hazards that **will cause** severe personal injury, death or substantial property damage.



Indicates presence of hazards that **can cause** severe personal injury, death or substantial property damage.



Indicates presence of hazards that **will or can cause** minor personal injury or property damage.



Indicates special instructions on installation, operation or maintenance that are important but not related to personal injury or property damage.

To the installer



Electrical shock hazard — Disconnect power before installing or servicing. Can cause severe personal injury, death or substantial property damage if ignored.



To avoid severe personal injury, death or substantial property damage, never connect the load terminals to a load that takes more current than the amount listed for the relay in the electrical ratings.



Use copper wire only. Use of any other type of wire could cause a fire hazard resulting in severe personal injury, death or substantial property damage.



All wiring must be installed in accordance with:

U.S.A. — National Electrical Code and any other national, state or local code requirements. Wiring must be N.E.C. Class 1.

Canada — C.S.A. C22.1 Canadian Electrical Code Part 1 and any other national, provincial or local code requirements. Wiring must be C.S.A. C22.1 C.E.C. Part 1.

Specifications

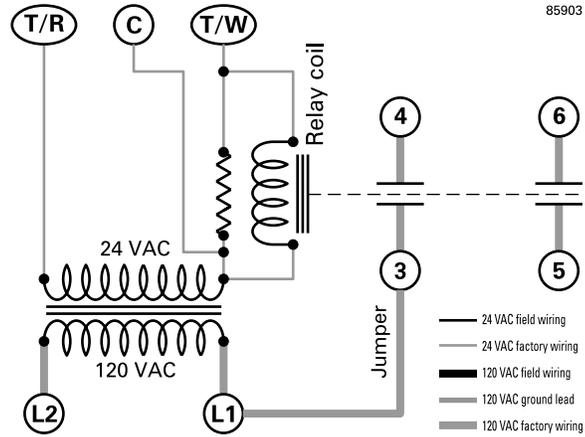
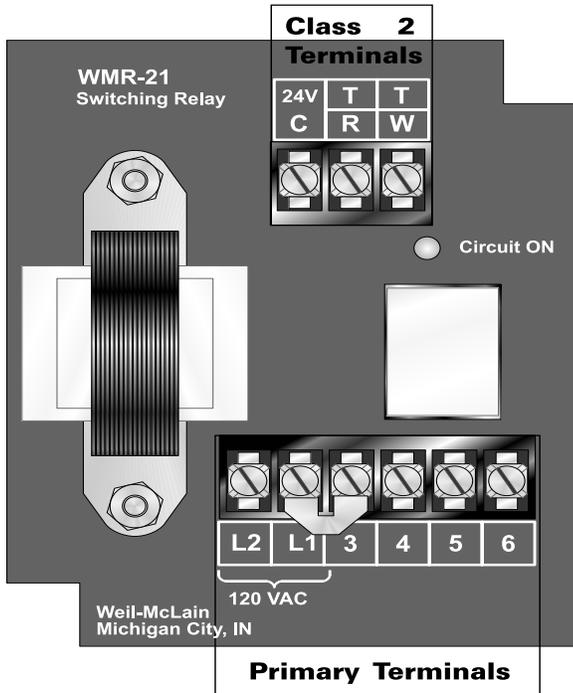
| Weil-McLain model number | Transformer voltage | Switching action | Thermostat current amps | Single-phase motor rating | |
|--------------------------|----------------------|------------------|-------------------------|---------------------------|-----------------|
| | | | | 120 VAC | 240 VAC |
| WMR-21 | 120 V 60 HZ 15 VA | DPST | .18 | 10 A, 1/3 HP | 10 A, 1/2 HP |
| WMR-22 | 120 V 60 HZ 15 VA | DPDT | .18 | 10 A, 1/3 HP | 10 A, 1/2 HP |

Replacement parts

| Part description | Weil-McLain part number |
|-----------------------------|-------------------------|
| Plug-in relay (24 VAC coil) | 510-311-021 |



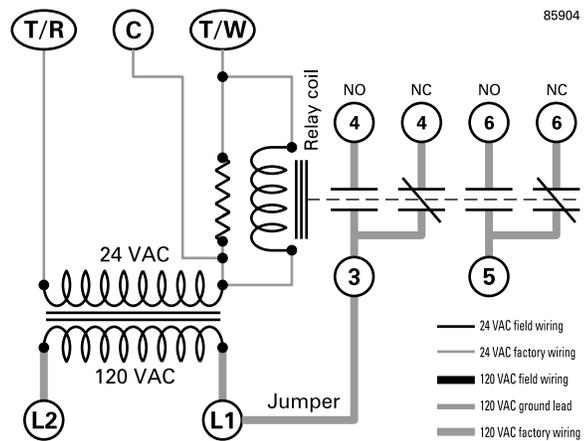
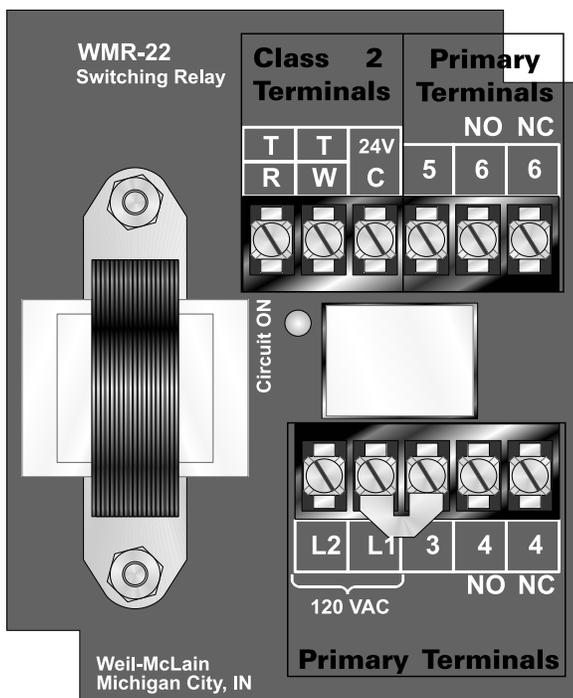
WMR-21 — Double pole/single throw switching relay



WMR-21 cross reference table

| Weil-McLain | ECR Int'l. | Honeywell | Taco | White-Rodgers |
|-------------|------------|-----------|-------|---------------|
| WMR-21 | AR821 | RA 89A | SR501 | 809A-189 |
| WMR-21 | AR821 | RA 832A | SR501 | 829A-832 |
| WMR-21 | AR821 | R 845A | SR501 | 829A-845 |

WMR-22 — Double pole/double throw switching relay



WMR-22 cross reference table

| Weil-McLain | ECR Int'l. | Taco |
|-------------|------------|-------|
| WMR-22 | AR822 | SR501 |

WMR Switching Relays



WMR-21 and WMR-22

General wiring

WMR-21 — Typical application

Add circulator to L8124A or C aquastat/relay

WARNING

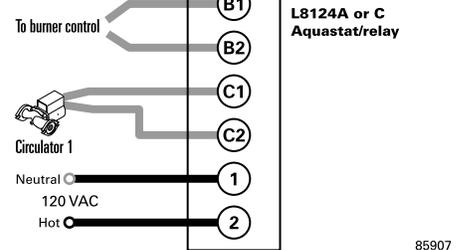
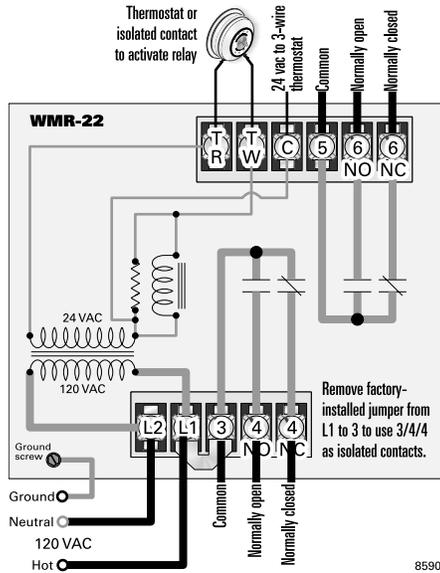
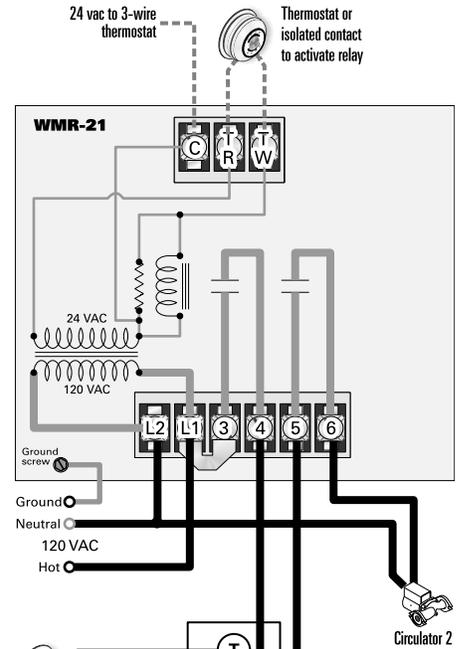
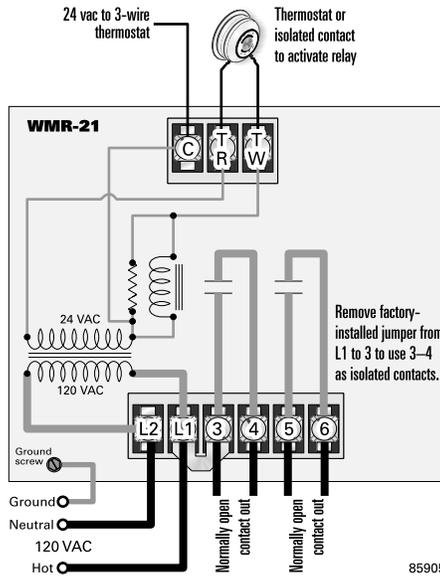
Electrical shock hazard — Disconnect power before installing or servicing. Can cause severe personal injury, death or substantial property damage if ignored.

NOTICE

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U.S.A. — National Electrical Code and any other national, state or local code requirements. Wiring must be N.E.C. Class 1.

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| Legend | |
|--------|------------------------|
| | 120 VAC field wiring |
| | 24 VAC field wiring |
| | 120 VAC ground lead |
| | 24 VAC factory wiring |
| | 120 VAC factory wiring |



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