

Residential/Light Commercial Generator Accessories

KOHLER POWER SYSTEMS

Load Control Module (LCM)

ISO 9001
KOHLER POWER SYSTEMS
NATIONALLY REGISTERED



LCM with Pre-Wired Harness



LCM with Terminal Block Connections

Load Management

- The Load Control Module (LCM) sheds loads to prevent generator overload, in compliance with NEC 2008.
- The LCM monitors generator current and frequency to determine when to shed loads. This monitoring prevents frequency drops that can damage valuable electronics like computers and televisions.
- Load management with the LCM allows the use of a smaller generator set.

Priority Setting

- Loads are added and shed according to their priority. Load 1 is the top priority, which is added first and shed last. Load 6 is the lowest priority.
- Less critical loads can be turned off automatically when essential appliances are running.
- Load priorities are hard-wired at installation.

Standard Features

- The LCM can be used with Kohler generator sets equipped with the RDC2 or DC2 controller, including the following models:
 - 14RESA and 14RESAL
 - 20RESA and 20RESAL
 - 38RCL
 - 48RCL
- Automatically manages up to six residential loads:
 - Four power relays for management of non-essential secondary loads. Two 50 amp loads and two 40 amp loads can be connected.
 - Two HVAC relays to control two independent air conditioner loads.
- User interface for load status indication:
 - An industry first: Test button allows the operator to cycle the relays in the order of their priority (only functions when the generator set is in RUN mode).
 - Dual color LEDs for each load indicate load status (powered or shed) and flash to indicate a test.
- NEMA 3R aluminum enclosure for indoor or outdoor installation.
- Available with two wiring options:
 - With 2-foot color-coded pre-wired harness for easy installation of the LCM next to the distribution panel.
 - With terminal block connections for installation of the LCM in any location.
- UL listed

Operation

- Loads are automatically added or disconnected based on generator capacity.
- The Kohler-patented load control system uses dynamic logic to prevent shedding important loads unnecessarily when air conditioning, refrigerator, or water pump motors start.
- The LCM and generator communicate to provide smart power management. The time to shed loads decreases as each load is shed to quickly adapt to critical power requirements.
- Load shed power level and frequency setpoint adjustments are possible only by using Kohler® SiteTech™ software, available to Kohler-authorized distributors and dealers.

Specifications

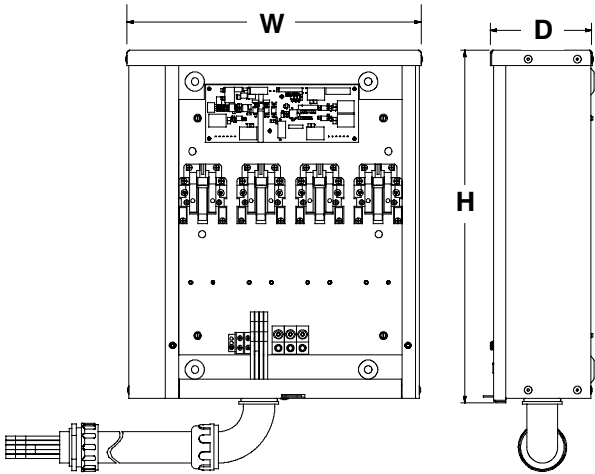
Connection	Rating	Wire Size
Power Relays (qty. 4)	50 A @ 240 VAC *	#8 AWG (pre-wired harness) 8-18 AWG (terminal block)
HVAC Relays (qty. 2)	30 VAC Class 2	12-24 AWG
Module Communication and Power Connections to the RDC2/DC2 controller	0.5 A @ 12 VDC	Belden #9402 or equivalent 20 AWG shielded, twisted-pair communications cable †

* A maximum of two 50 amp loads and two 40 amp loads can be connected.
† For long distances, an equivalent shielded, twisted pair cable may be used for signal connections with individual 12-20 AWG wires (qty. 2) for power connections.

Weights and Dimensions

Shipping Weight: with terminal block: 8 kg (17 lbs.)
 with harness: 13 kg (28 lbs.)

Dimensions:
H x W x D mm (in.) 486 x 391 x 135 (18.4 x 15.4 x 5.3)



Shown with optional harness.

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