NFPA 110 COMPLIANCE

for Industrial Power Systems

KOHLER®
IN POWER. SINCE 1920.

NFPA 100

Guidelines for Compliance

WHAT IS NFPA 110? It's the National Fire Protection Association's standard for emergency and standby power systems that provides an alternate electrical power source in the event of primary power failures.

NFPA 110 dictates the performance requirements for emergency and standby power systems. Thus, an individual product cannot be marked as NFPA 110- compliant; the overall power system must be installed, maintained, tested and operated per the NFPA standard to be compliant. Kohler is committed to designing emergency and standby power components with features that ensure the power system's compliance with NFPA 110.

NFPA 110 has identified two levels of requirements that pertain to the installation, performance and maintenance of the power system:

Level 1 pertains to power systems where failure to perform could result in loss of life or serious injury.

Level 2 pertains to power systems where failure to perform is less critical to human life and safety.

The installation, performance and maintenance requirements associated with a power system depend upon the power system level.

PRODUCTS

KOHLER® GENERATORS AND TRANSFER SWITCHES

NFPA 110 requirements cover functions such as mounting, cooling, starting, load switching and voltage regulation. KOHLER generators and automatic transfer switches are designed to meet NFPA 110 when equipped with the required accessories and installed per the standard.

FUEL TANKS

Kohler offers a range of fuel tank options to meet the NFPA 110 "class" definition, which sets forth the classification of the power system and the minimum time (in hours) that such power system must be designed to operate at its rated load without being refueled, and other applicable requirements. The generator's load rating and the application's required runtime, as well as certain other NFPA 100 requirements, determine the fuel tank size.

KOHLER® DECISION-MAKER® CONTROLLERS

KOHLER Decision-Maker controllers are designed to meet the requirements of NFPA 110 Level 1. Key features include:

- Emergency stop
- Stop/run/auto controls
- Audible horn, visual warnings and visual fault indicators
- System faults and status that are monitored and annunciated on both the controller display and remote annunciator

REMOTE SERIAL ANNUNCIATORS

NFPA 110 Level 1 dictates that specific generator conditions must be annunciated at a continuously staffed location during operation. KOHLER remote serial annunciators annunciate all required information, with the option to include information from the automatic transfer switch (ATS). Annunciating the ATS provides the status of the power sources and switch position and gives the ability to remote-test the generator. You can annunciate a single ATS or as many as four from one remote KOHLER annunciator.

BATTERY CHARGERS

NFPA 110 dictates the requirements for charging batteries within a certain period of time. The battery charger must also monitor the output voltage and current. Depending on whether the battery system is part of a Level 1 or Level 2 power system, the battery system may also be required to indicate low or high battery voltage, battery charger faults and certain other conditions set forth in the standard. The KOHLER 10-amp battery charger offers these capabilities.

Visit **nfpa.org** for more information.

This document is not intended to be an exhaustive list of all NFPA 110 requirements for emergency and standby power systems, and is designed to only provide a brief overview of some of the NFPA 110 requirements and Kohler Power Systems' ability to provide products in compliance with such requirements. For guidance on the compliance with all NFPA 110 requirements, please contact the NFPA and visit nfpa.org for more information.

For more information, contact your KOHLER source of supply.
Or call toll-free in the U.S. and Canada 800-544-2444.

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