

Requirements for Generator Alarm Annunciator Panels

Alarm Annunciator Panels

The requirement for a remote annunciator panel for a generator shall be in accordance with NFPA 99 (12)

*Note: This is not a new requirement

A remote annunciator that is storage battery powered shall be provided to operate outside of the generating room in a location readily observed by operating personnel at a regular work station. The annunciator shall be hard-wired to indicate alarm conditions of the emergency or auxiliary power source as follows:

[See NFPA 99 (12) Table 6.4.1.1.16.2-Safety Indicators and Shutdowns]

(1) Individual visual signals shall indicate the following:

- (a) When the emergency or auxiliary power source is operating to supply power to load
- (b) When the battery charger is malfunctioning

(2) Individual visual signals plus a common audible signal to warn of an engine-generator alarm condition shall indicate the following:

- (a) Low lubricating oil pressure
- (b) Low water temperature below that required [See NFPA 99 (12) 6.4.1.1.11]
- (c) Excessive water temperature
- (d) Low fuel when the main fuel storage tank contains less than a 4-hour operating supply
- (e) Overcrank (failed to start)
- (f) Overspeed

6.4.1.1.17.1* A remote, common audible alarm shall be provided as specified in 6.4.1.1.17.4 that is powered by the storage battery and located outside of the EPS service room at a work site observable by personnel. [See NFPA 99 (12) 6.4.1.1.17.1 and NFPA 110 (10) 5.6.6.1]

6.4.1.1.17.2 An alarm-silencing means shall be provided, and the panel shall include repetitive alarm circuitry so that, after the audible alarm has been silenced, it reactivates after the fault condition has been cleared and has to be restored to its normal position to be silenced again. [See NFPA 99 (12) 6.4.1.1.17.2 and NFPA 110 (10) 5.6.6.1]

[References: NFPA 99; NFPA 110]