

ABSTRACT

The present application discloses an automatic self-extinguishing and shutdown system and method for foundation engineering large equipment. The system includes large equipment power supply control module and a plurality of automatic dry powder
5 extinguishers. The automatic dry powder extinguisher includes an extinguisher housing pressurized filled with extinguishing dry powder and two extinguisher automatic control valves provided at two ends of the extinguisher housing. The method includes the steps: step one, debugging and assembling of the automatic dry powder extinguishers; step two, mounting the automatic dry powder extinguisher and
10 large equipment power supply control module; step three, automatic extinguishing and shutting down the large equipment; and step four, recycling the automatic dry powder extinguisher. In the present application, the automatic dry powder extinguisher is mounted at each easily ignited point of the large equipment, realizing the automatic detection of the environment temperature and automatic extinguishment.
15 The large equipment power supply control module realizes the shutdown of the large equipment power supply in case of fire, completely preventing the spread and occurrence of the fire, protecting the equipment, and ensuring the safety on site.

[Fig. 1]