

FIRE SUPPRESSION SYSTEM AND EMERGENCY ANNUNCIATION SYSTEM

ABSTRACT

A fire suppression and annunciation system system using a flexible conduit and a wire rope is provided. The wire rope may be connected to a knob assembly at a universal pull station and to a release mechanism of the fire suppression system. An operator may pull a handle of the knob assembly at the universal pull station, thereby activating the release mechanism to release fire suppression agent. A flexible conduit may house the wire rope along at least a part of the connection from the universal pull station to the release mechanism. A material on the liner of the flexible conduit and/or on the wire rope may be used to reduce the coefficient of friction of wire rope in the flexible conduit. The fire suppression system may further include a pulley block system connected to the universal pull station. The pulley block system may comprise bearings, and may lower the force necessary to activate the release mechanism.

FIGURE. 6