



Protecting Flammable Dust Production and Storage Facilities Against Hazards

Hydraulic Remote Control Fire Protection System

The Elkhart Brass hydraulic remote control fire protection system is designed to provide reliable industrial fire protection solution for Zone 21, Zone 1, Class I, Class II and Class III classified locations. The fully remote controllable solution design enables ease of install and operation and incorporates high quality, system reliability and flexibility required for modern industrial fire protection application.

The new Elkhart Brass hydraulic remote control system is feature rich and offers the industry most cost efficient and reliable industrial fire protection solution of its class.

- Absolute position feedback via analog encoders enable monitor to maintain pre-programmed coordinates after power loss.
- Suitable for following classified areas
 - Class I, Division 1, Zone 1 Groups B, C, D, T6
 - Class II, Division 1, Zone 21 Groups F & G, T6
 - Class III, Division 1
 - Ex II 2 G AEx d IIB+HT6 Gb
 - Ex II 2 D AEx d IIIB T6 Db
- 85 Brass monitor construction for corrosive environment and sea water applications
- Double-race, brass bearings on vertical and horizontal swivels ensures monitor reliability and durability
- Optional manual override enables manual control at any time as desired
- Automatic vertical and horizontal oscillation
- Communication with facility fire detection and alarm system enables system activation via fire alarm input
- Group response enables grouping and activation of group(s) of monitors with input from fire detection system
- Networkable
 - up to 10 nodes per system with RF network
 - Up to 16 nodes per system with Operator Control Panel (OCP) network via ethernet IP
- Ethernet IP network communication protocol enables network communication over facility ethernet network
- Cat 5e copper or Fiber (multimode or single mode) networking
- Up to 2 miles (3.2 km) distance between nodes
- Optional portable Radio Frequency (RF) control with up to 1000 ft (305 m) range
- Integration with ancillary devices such as flame and heat detection systems
- NEMA 4X OCP enclosure enables outdoor mount of the OCP
- 5 Year limited warranty for monitor system and 2-year limited warranty for control panels/units

Compact

A combo unit with pump actuation system and OCP in the same enclosure

- Capable of automatic vertical and horizontal oscillation
- Capable of system activation via facility fire alarm input
- Capable of manual override with left/right, up/down and straight/fog toggle switches
- Networkable with optional RF control for up to 20 nodes per network system
- Capable of group activation via RF network with optional RF control



Select

The select package prevents local operator exposure to the hazard with an (OCP) outside of the hazard zone. Up to 3000 ft distance between monitor system and OCP with 12 AWG conductor

- Capable of system activation via facility fire alarm input
- Capable of manual override with OCP left/right, up/down and straight/fog toggle switches
- Networkable with optional RF control for up to 20 nodes per network system
- Capable of group activation with RF network via optional RF control



Premium

The premium package prevents local operator exposure to the hazard with (OCP) outside of the hazard zone and enable control from remote location via HMI consul.

- Capable of system activation via facility fire alarm input
- Capable of manual override with either OCP left/right, up/down and straight/fog toggle switches or via remote HMI consul
- Networkable with either fiber (multimode/single mode), Cat 5e copper. Up to 16 nodes per network system
- Capable of group activation
- Optional RF control available



Optional

RF Control Optional RF control enables portable Radio Frequency (RF) control

- 000 to 2000 feet RF control range
- Networking capability with up to 20 nodes per network system
- Enables group activation for compact and select packages





Hydraulic Remote Control Fire Protection System Applications

- Oil Refineries
- Oil Rigs
- Petrochemical Processing Plants
- Tank Farms
- Fueling Areas
- Docks
- Coal storage
- Sulfur storage
- Sugar storage
- Chemical processing
- Lumber Mills
- Paper Mills



Monitor & Hydraulic Actuation System



Operator Control Panel (OCP)



Remote Control Console



Portable Radio Frequency (RF) Control



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