

Kidde Fire Systems HPCO₂ Component Description



Effective: October 2023
K-81-8031 Rev AA

Electric & Cable Operated Control Head, 24VDC

FEATURES

- Underwriters' Laboratories Listed - File Number EX923
- FM Approved, Standard 5420
- CSA Certified
- NFPA 12 Compliant
- Compatible with Aegis, Aries panels
- Momentary Current Draw
- Factory wired 14AWG leads
- Easily resettable

DESCRIPTION

The Kidde Fire Systems High-Pressure Carbon Dioxide (CO₂) Electric & Cable Operated Control Head (ECH) provides remote electric, remote mechanical, and local manual operation of the agent cylinders, remote actuation cylinders, or directional (stop) valves. The ECH operates electrically from a Kidde Fire Systems Aegis™ or Aries® style suppression control panel and incorporates an integral lever, with removable locking pin, for local manual operation. The ECH contains a microswitch whose contacts break the electrical circuit to the solenoid after operating the ECH, which reduces the overall power consumption of the fire suppression system. For remote mechanical operation, a 1/16-in stainless steel cable routes, within applicable conduit, from the ECH to terminate at a Kidde Fire Systems mechanical pull box. Kidde Fire Systems offers a variety of components to facilitate such an installation. Upon operation of the ECH, the actuating pin latches in the released position and must be mechanically reset in accordance with the applicable system manual. Kidde Fire Systems provides a loose tamper seal to be affixed through the manual lever after performing commissioning or periodic preventive maintenance in accordance with the applicable system manual.

ORDERING INFORMATION

Description	Part Number
Electric & Cable Operated Control Head, 24VDC	81-895630-200

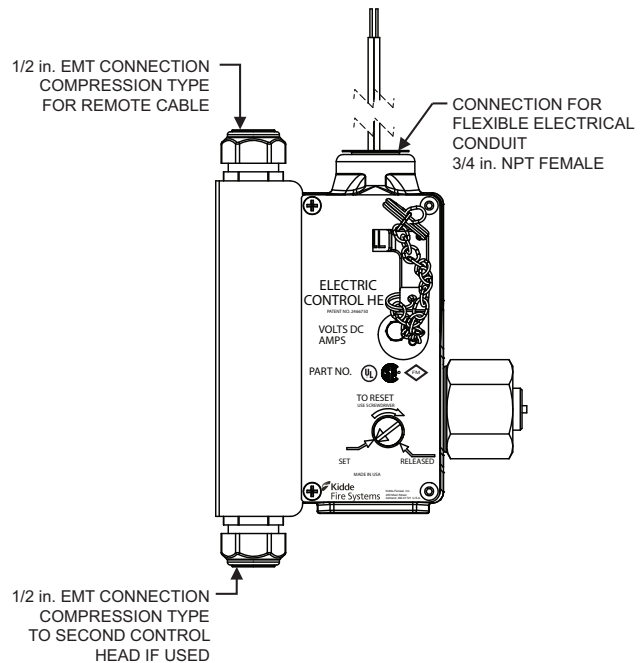


Figure 1. Electric Control Head

DIMENSIONS

Height (in.)	Width, inc. swivel nut (in.)	Depth (in.)
7.64	5.44	2.40

SPECIFICATIONS

Part Number	Control Head		Remarks
	Voltage	Amps	
81-895630-200	24 VDC	2.4 momentary	See panel manual for compatibility

REFERENCED COMPONENTS

Description	Reference Data Sheet
HPCO ₂ Cylinders	K-81-1010
	K-81-1020
Remote Actuation Cylinder	K-81-5050
Stop Valves	K-81-5130
	K-81-5140
	K-81-5150
Aegis™ Conventional Control Panel	K-84-200
Aries® Addressable Control Panel	K-76-650
	K-76-850
Mechanical Pull Box	K-81-6040
	K-81-6060
Cable Pulley	K-81-6080
Dual Pull Mechanism	K-81-6100
Dual Pull Equalizer	K-81-6110
Adapter, 3/8-in to 1/2-EMT	K-81-6120

EXPORT INFORMATION (USA)

Jurisdiction: EAR

Classification: EAR99

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