

Kidde Fire Systems HPCO₂ Component Description



Effective: October 2023
K-81-8020 Rev AA

Electric Control Head, 24V

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 Control Head (ECH) provides remote electric 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. 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.

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

ORDERING INFORMATION

Description	Part Number
Electric Control Head, 24VDC	WK-890181-200

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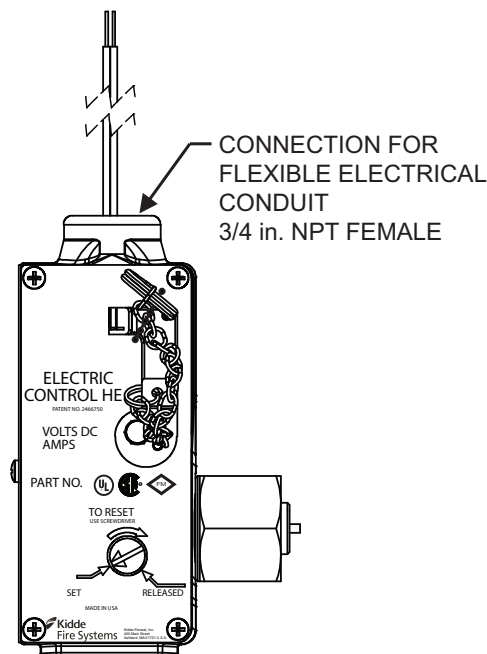


Figure 1. Electric Control Head

DIMENSIONS

Height (in.)	Width, inc. swivel nut (in.)	Depth (in.)
6.36	4.00	2.31

SPECIFICATIONS

Part Number	Control Head		Remarks
	Voltage	Amps	
WK-890181-200	24 VDC	2.4 momentary	See panel manual for compatibility

EXPORT INFORMATION (USA)

Jurisdiction: EAR
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Kidde Fire Systems
400 Main Street
Ashland, MA 01721
Ph: 508.881.2000
Fax: 508.881.8920
kiddefiresystems.com