

Kidde Fire Systems Component Datasheet



Effective: January 2019
K-85-3000 Rev AD

Control Head Monitor (Explosion Proof Assembly)

FEATURES

- UL Listed, ULC Listed, and FM Approved for use with systems listed in the Table, "COMPATIBILITY", on page 2.
- REACH and RoHS compliant

P/N: 85-100000-100

The Control Head Monitor (CHM) with explosion proof assembly provides supervision for control head placement in normal and explosive environments in one easy to install component.



Figure 1. Control Head Monitor with Explosion Proof Assembly

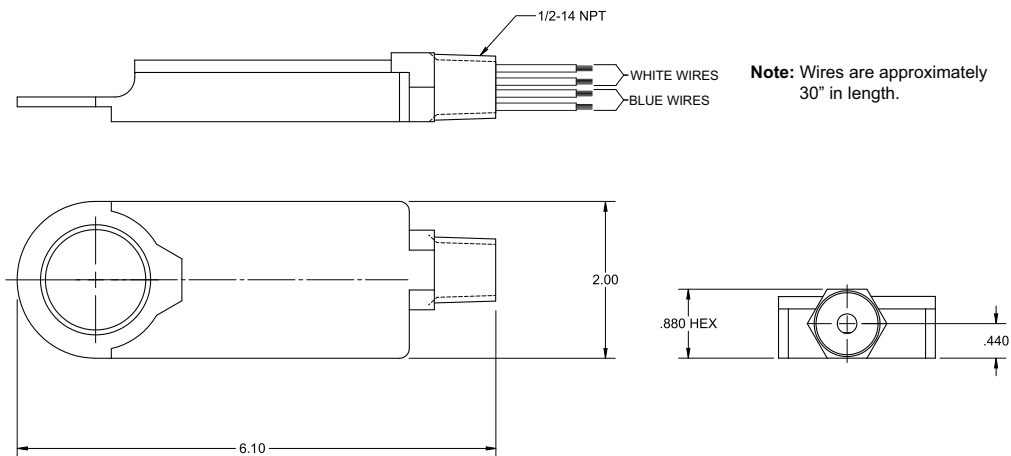


Figure 2. Control Head Monitor Dimensions

This CHM can be placed between the discharge valve and an electric or electric/cable operated control heads for retrofitting the existing system:



For US and Canada explosion proof installations, seal all conduits within 18 inches from the end of the component.

MATERIALS

Body and Trigger: Brass
Weight: 1.7 lbs.

ORDER INFORMATION

Part Number	Description
85-100000-100	Control Head Monitor
85-100000-002	Spacer, required when installing Control Head Monitor on to Stackable Pressure Operated Control Head (P/N 82-878750-000)

COMPATIBILITY

Series	DIOM P/N	Supplement P/N
ECS-500™ System with 3M™ Novec™ 1230 Fire Protection Fluid	06-237585-001	N/A
ECS™ 360 System with 3M™ Novec™ 1230 Fire Protection Fluid	06-236553-001	N/A
ADS™ System with 3M™ Novec™ 1230 Fire Protection Fluid	06-237256-001	N/A
ECS™ 360 System with HFC-227ea Agent	06-236115-001	06-236115-003
ECS™ 360 Modular System with HFC-227ea Agent	06-236116-001	06-236116-002
ADS™ System with HFC-227ea Agent	06-236068-001	06-236068-003
FE-13™ System	06-236169-002	06-236169-003
FE-13™ Modular System	06-236193-001	06-236193-002
ECS™ 360 with 3M™ Novec™ 1230 Fire Protection Fluid (India)	06-237127-600	06-237127-601
ECS™ 360 with FM-200™ Agent (India)	06-237298-001	06-237298-002

Note: Agency listings also apply to Fenwal Protection Systems when the Control Head Monitor is used on these legacy product lines.

Standards for US Approval

Number	Issue Date
FM 3600	2011
FM 3615	2006
FM 3616	2011
FM 3810	2005
ANSI/ISA 60079-0	2013
ANSI/ISA 60079-1	2013
ANSI/ISA 60079-31	2013

US Hazardous Location Markings:

- Class I, Div 1, Groups CD
- Class I, Zone 1, AEx d IIB T6
- Class II, III, Div 1, Groups EFG
- Zone 21, AEx tb IIIC T85°C
- Ta = -40°C to 60°C

Standards for Canadian Approval

Number	Issue Date
CSA C22.2 NO. 0.4	2013
CSA C22.2 NO. 0.5	2012
CSA C22.2 NO. 25	2014
CSA C22.2 NO. 30	2012
61010-1	2012
CAN/CSA 60079-0	2011
CAN/CSA 60079-1	2011

Canada Hazardous Location Markings:

- Class I, Div 1, Groups CD
- Class I, Zone 1, Ex d IIB T6
- Class II, III, Div 1, Groups EFG
- Zone 21, Ex tb IIIC T85°C
- Ta = -40°C to 60°C

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EXPORT INFORMATION (USA)

Jurisdiction: EAR
Classification: EAR99
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