

Kidde Fire Systems

Component Description

Control Head Monitor (Explosion Proof Assembly)



Effective: October 2019
K-85-3000 Rev AE

FEATURES

- For Approvals, see the Table, "COMPATIBILITY" table.
- 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

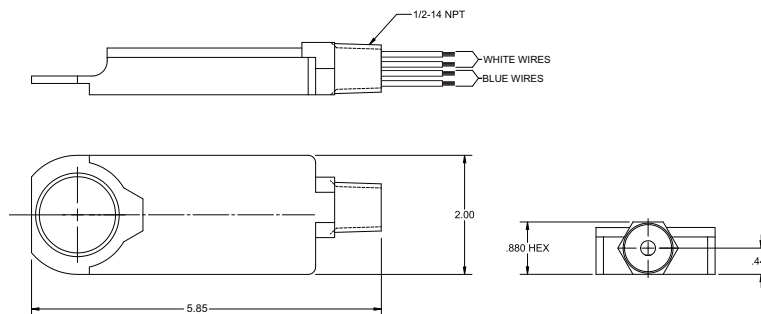


Figure 2. Control Head Monitor Dimensions

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

For field wiring installation applicable to ATEX and IECEx certification the following specific conditions of use apply:

- The flameproof joints of the equipment are not intended to be repaired. Consult the manufacturer if repair of the flameproof joints is necessary.
- A suitably certified conduit sealing device must be installed at the threaded entry and connected to a certified Ex d or Ex e rated terminal box.



For US and Canada explosive 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 | Approval |
|--|---------------|----------------|-------------|
| ECS-500™ System | 06-237585-001 | N/A | UL, ULC, FM |
| ECS™ 360 with 3M™ Novec™ 1230 Fire Protection Fluid | 06-236553-001 | N/A | UL, ULC, FM |
| ADS™ with 3M™ Novec™ 1230 Fire Protection Fluid | 06-237256-001 | N/A | UL, ULC, FM |
| ECS™ 360 with HFC-227ea Agent | 06-236115-001 | 06-236115-003 | UL, ULC, FM |
| Modular ECS™ 360 psi with HFC-227ea Agent | 06-236116-001 | 06-236116-002 | UL, ULC, FM |
| ADS™ with FM-200™ Agent | 06-236068-001 | 06-236068-003 | UL, ULC, FM |
| FE-13™ Engineered Suppression System | 06-236169-002 | 06-236169-003 | UL |
| FE-13™ Modular Engineered Suppression System | 06-236193-001 | 06-236193-002 | UL |
| ECS™ 360 with 3M™ Novec™ 1230 (for UTC India Specifications) | 06-237127-600 | 06-237127-601 | UL, ULC, FM |
| ECS™ 360 with FM-200™ (for UTC India Specifications) | 06-237298-001 | 06-237298-002 | UL, ULC, FM |

Note: Agency listings also apply the Fenwal Engineered Fire Suppression 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
- EXPORT INFORMATION (USA)**
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