Ci IS8 NFPA Switch

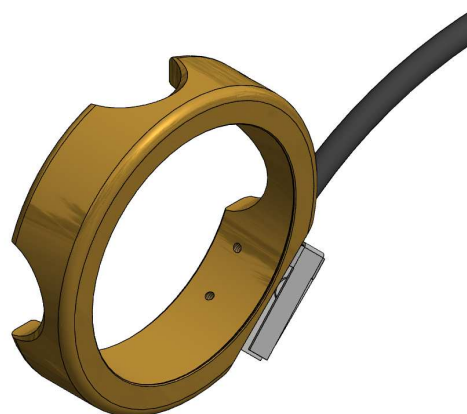### Item number(s) covered by his datasheet

305449   Ci IS8 NFPA Switch

General

The Ci IS8 NFPA switch is for monitoring of the assembly of the Ci IS8B (solenoid actuator) and the Ci IV8 valve.
It is possible to see electrically via the switch if the two units are disassembled or assembled.

The cable from the switch can be connected to a control panel, which indicates if the two units are disassembled.

Specifications

Temperature (operation/storage)	-40 ... +130°C
Ingress protection class	IP67
Materials	Ring: Brass Switch: PBT (Polybutylene terephthalate)
Dimensions	Ø 62 mm x 16 mm
Weight	0.150 kg

Electrical specifications

Voltage	max. 250Vac
Current	max. 2A
Switch mechanical lifespan	50×10^6 operations

Cable connection

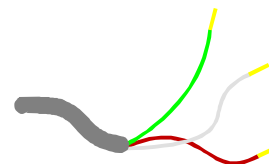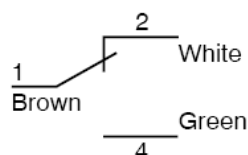|	
Cable diameter	6 mm
Bend radius	min. 10 x cable diameter
Cable length	2 m
Core cross-section	3x0.25 mm²
Cable connection	

Marking

Fire Eater logo
Serial no.
Ci IS8 NFPA Switch

Document: 305449 Ci IS8 NFPA Switch.docx

Category: SV-CiV system   Id: BH   Rev:2015.12.10

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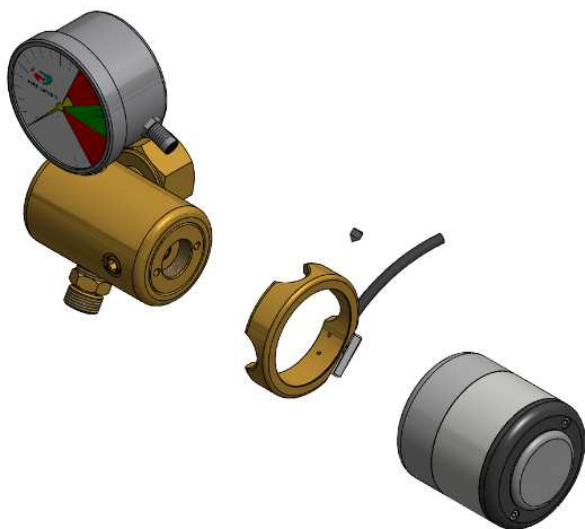|	Text
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Installation

Before installation, it must be inspected that the valve and the solenoid have not been activated. Reset the solenoid and the valve.

The CI IS8 NFPA switch ring is placed over the valve Ci IV8. The screws on the Ci IV8 must not be covered by the ring. The switch on the ring must be placed on the right side, horizontally.
Then secure the ring by tightening the set screw (2.5mm hex tool) into the Ci IV8 and tighten by hand (10Nm).

Gently place the solenoid on the valve and check that the micro switch arm moves back. Take care not to damage the arm on the micro switch.

Connect the cable from the switch to the control panel according to the control panel specifications.

Exploded view

Installed

Document: 305449 Ci IS8 NFPA Switch.docx	1	Text
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Category:	Id: BH	3	
SV-CiV system	Rev:2015.12.10	4	
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	6	
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Installation

Figure 3 shows how the Ci IS8 NFPA switch can be connected.
If the solenoid is separated from the valve,(fig. 4) the control panel will give a fault indication
Figure 5 shows how the Ci IS8 NFPA switch can be connected directly to a "Fault input".
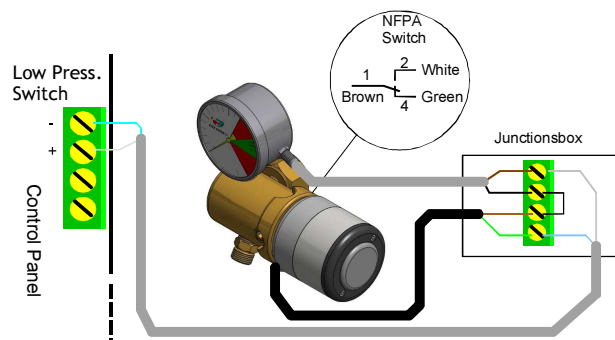
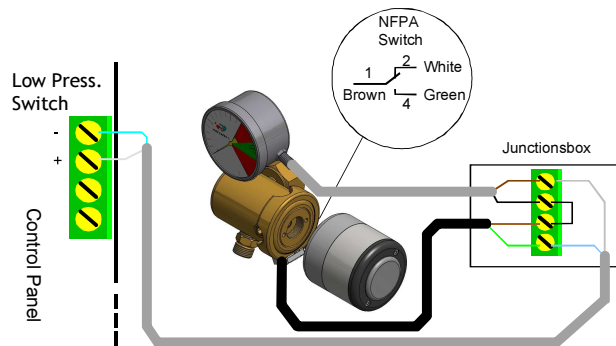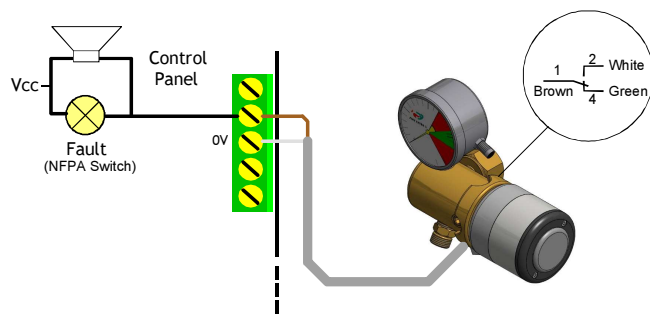*Fig. 3, Ci IS8B and Ci IV8 assembled*   *Fig. 4, Ci IS8B and Ci IV8 separated*

Fig 5

Operation

If the two units are separated, the control panel will give a fault indication.

Maintenance

The component can be cleaned with a dry cloth.

Routine testing

To verify correct operation the switch must be checked annually by dismantling the solenoid and checking that the control panel shows the fault for disassembly. Note, take precaution according to the control panel specifications.

Standards & approvals

EN61058
UL94V-O

Document: 305449 Ci IS8 NFPA Switch.docx		1	Text
		2	
Category:	Id: BH	3	
SV-CiV system	Rev:2015.12.10	4	
		5	
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