

Monitoring Release Device EM (Optional)

Approvals



¹⁾ Listed system covered by UL-File EX15997 (SFFECO Prime FK, SFFECO Prime 227)

²⁾ Part of the system approval (SFFECO Prime FK, SFFECO Prime 227)



SAP designation

part no. 885740: EM-release supervision

Maintenance

see technical description monitoring EM-release
part no. 885742

Designation	Part no.	Weight
Monitoring release device EM	885740	0.09 kg (0.2 lbs)

Application

The monitoring release device EM may be used only in accordance with system approval in stationary CO₂, argon and nitrogen fire extinguishing systems.

Function description

The monitoring EM-release device is used for electrical monitoring of the EM-release incl. cylinder valve lever in operation.

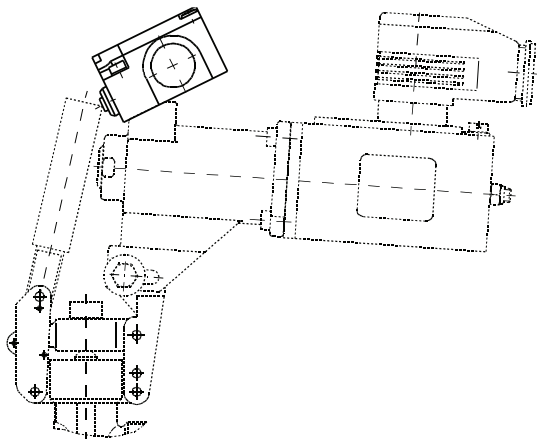
Product sheets also applying

Limit switch ZS 256-11zsee monitoring device

Included in delivery

Limit switch ZS 256-11z828482, see monitoring device
2x Cheese-head screw ISO4762-M4x25-8.8-A2E917743
2x Washer DIN125-A 4.3-St-gal. Zn896019
Technical description monitoring EM-release885742

Installations example



Monitoring Release Device EM UL/FM (Optional)

Approvals



- 1) Listed system covered by UL-file EX15997 (SFFECO Prime FK, SFFECO Prime 227)
- 2) Part of the system approval (SFFECO Prime FK, SFFECO Prime 227)

SAP designation

part no. 932440: monitoring release device EM UL

Maintenance

Visual and functional check during the maintenance intervals specific to the fire extinguishing system, but at least annually.



Designation	Part no.	Weight
Monitoring release device EM UL/FM	932440	0.25 kg (0.55 lbs)

Technical data

Limit switch typeZS 256-11z-2219-3
 Housingthermopl. glass fiber concentrated, self-quenching
 IP codeIP67
 Contacts1 NC, 1 NO
max. 30 V DC, max. 2.5 A
 Ambient temperature-30 °C to +80 °C (-22 °F to 176 °F)
 Switch systemspring control, forced opener

Application

The monitoring release device EM UL/FM may be used only in accordance with system approval in SFFECO Prime FK and SFFECO Prime 227 fire extinguishing systems..

Function description

The monitoring release device EM UL/FM is used for electrical monitoring of the release device EM incl. cylinder valve lever in operation.

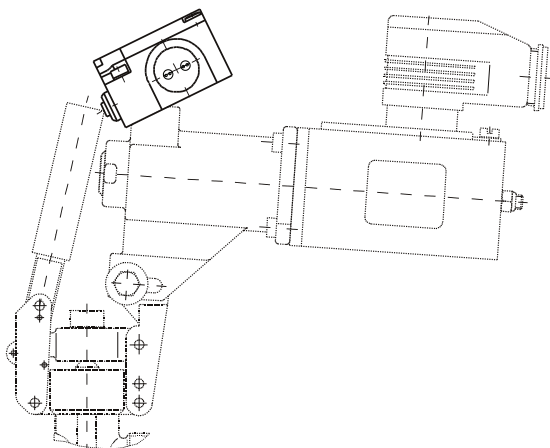
Note

Installation and wiring instructions see:
 Installation and Maintenance Manual fire extinguishing system
 - SFFECO Prime FK (en) part no. 4006655
 - SFFECO Prime 227 (en) part no. 4006650

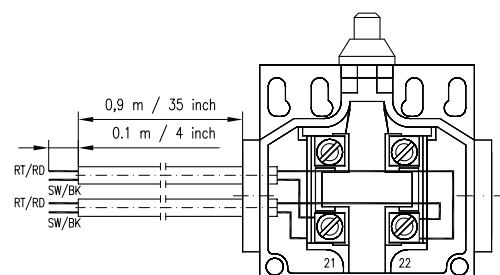
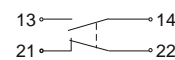
Included in delivery

Limit switch ZS 256-11z with connection cable and information label
 2x Cheese-head screw ISO4762-M4x25-8.8-A2E917743
 2x Washer DIN125-A 4.3-St-gal. Zn896019

Installations example



Circuit diagram



Specification cable: CSA Spec. C22.2, No. 208,
 File Listing: LL68731, UL Listed as Type CMR or FPLR 75C, FT-4
 Style: Unshielded; Temperature: 105 °C
 Type: Security cable; Voltage: 300 V
 Wire material: Copper; Wire Size: 18 AWG

Monitoring Loss PNEUM Activation Device PAE (Optional)

Approvals

without approval

SAP designation

part no. 888998: Monitoring loss pneumatic activation device

Maintenance

see technical description monitoring loss pneumatic activation device part no. 926945



Designation	Part no.	Weight
Monitoring loss pneumatic activation device PAE	888998	0.20 kg (0.44 lbs)

Application

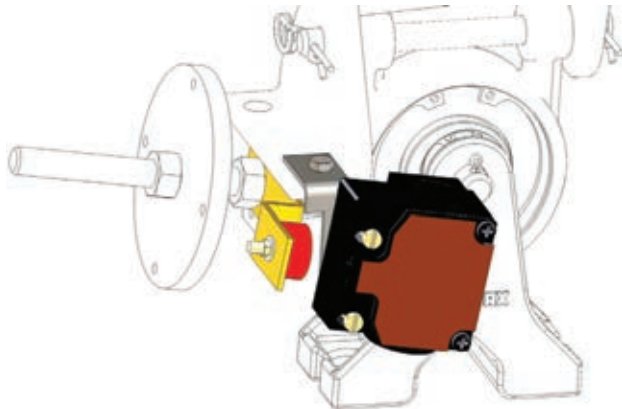
The monitoring loss pneumatic activation device may only be used in accordance with system approval in stationary CO₂, IG-01 (argon), IG-100 (nitrogen), IG-55, IG-541, FK-5-1-12 and HFC-227ea extinguishing systems.

It facilitates monitoring of the permissible loss (5% - 10% supply per control cylinder). If the permissible margin of loss is exceeded the beam weight falls and actuates a reed contact limit switch. The limit switch sends a fault message to the monitoring control panel and the fault is indicated locally via LED.

Included in delivery

Reed contact limit switch886343, see monitoring device
Magnet bracket for ÜWA loss PAE876875
Bracket limit switch monitoring loss PAE WE4888986
Technical description monitoring loss
pneumatic activation device926945
as well as screws, nuts and washers

Mounting example



Monitoring B0482 and B0481 (Optional)

Approvals



- 1) Listed system covered by UL-file EX15997 (SFFECO Prime FK, SFFECO Prime 227)
- 2) Part of the system approval (SFFECO Prime FK, SFFECO Prime 227)



SAP designation

e.g. part no. 932438: Monitoring B0482

Maintenance

Visual and functional check during the maintenance intervals specific to the fire extinguishing system, but at least annually.

Designation	Part no.	Weight approx. kg (lbs)
Monitoring B0482	932438	0.38 (0.84)
Monitoring B0481	932437	

Technical data

Limit switch typeZR 256-11z-U90-2219
 Housingthermopl. glass fiber concentrated, self-quenching
 IP codeIP67
 Contacts1 NC, 1 NO
max. 30 V DC, max. 2.5 A
 Ambient temperature-30 °C to +80 °C (-22 °F to 176 °F)
 Switch systemspring control, forced opener

Application

The monitoring B0482 / B0481 may be used only in accordance with system approval in SFFECO Prime FK and SFFECO Prime 227 fire extinguishing systems.
 The monitoring B0482 / B0481 check the existing of an external electrical release device (without integrated blocking device).

Note

Installation and wiring instructions see:
 Installation and Maintenance Manual fire extinguishing system
 - SFFECO Prime FK (en) part no. 4006655
 - SFFECO Prime 227 (en) part no. 4006650

Function description

For existing release device (1) the switch (2) of the monitoring (3) is actuated. When the release device is disassembled the switch is not actuated and transmitted a signal to the fire alarm and extinguishing control panel. There, the non-existence of external electrical release device is indicated as a fault.
 The monitoring is mounted on the valve (4).

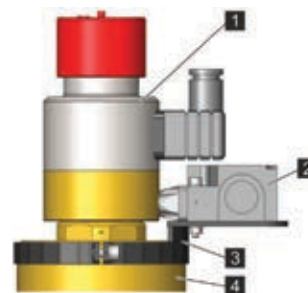


Figure 1: Monitoring, mounted

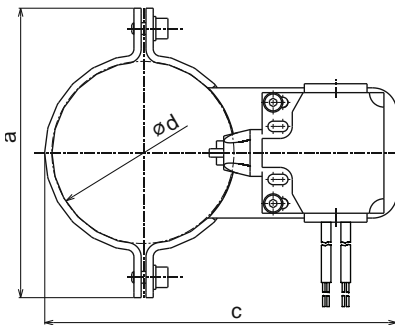
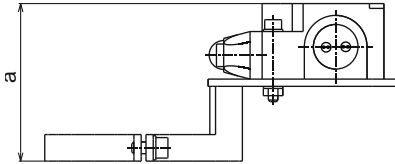
Included in delivery

Limit switch ZR 256-11-U90-2219 with connection cable and information label
 Bracket monitoring B0482924163

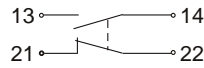
Monitoring B0482 and B0481 (Optional)

Dimension drawing

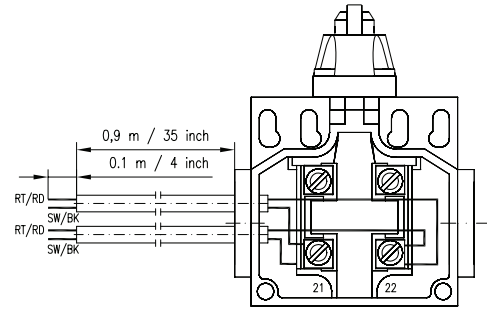
Dimensions in mm (inch)



Circuit diagram



	Monitoring	
	B0482	B0481
a	65.3 (2.57)	55.3 (2.18)
b	120 (4.72)	138 (5.43)
c	146 (5.75)	154 (6.06)
ød	75,5 (2.97)	92,5 (3.64)



Specification cable: CSA Spec. C22.2, No. 208,
File Listing: LL68731, UL Listed as Type CMR or FPLR 75C, FT-4

Style: Unshielded; Temperature: 105 °C
Type: Security cable; Voltage: 300 V
Wire material: Copper; Wire Size: 18 AWG