Auto Tracking and Targeting Water Cannon

Datasheet

Overview

Auto fire water monitor ZDMS0.6/5S-TZ1S05、ZDMS0.6/5S-TZ1S05A、ZDMS0.6/5S-TZ1S05W、ZDMS0.6/10S-TZ1S10、ZDMS0.6/10S-TZ1S10A、ZDMS0.8/20S-TZ1S20、ZDMS0.8/30S-TZ1S30 and electric fire water monitor PSKD8/20W-TZ1P20、PSKD8/30W-TZ1P30 Auto Tracking and Targeting water cannon Device (Hereinafter referred to as"water monitor") combine ultraviolet and infrared technology to detect early fire and target fire source correctly. Linkage control is used for peripheral equipment to spray water for fire extinguishing so as to put out the fire as early as possible. This product has characteristics of fast response, high fire extinguishing efficiency, automatic repeated start/stop system and manual operation, which is an economic and intelligent high-tech fire protection product.

Features

- The amount of jetted and filled water for water monitor is concentrated, with accurate fire extinguishing, and good result of fire extinguishing at early stage.
- Video transmission technology in fire control room can be used, in combination with field image to make manually remote control.
- Water monitor has two types, manual and auto. Water monitor with water flow 20L/s and above has column jetting and mist jetting.
- Water monitor can start in auto state to look for fire source.
- Water monitor (only for water monitors with water flow 5L/s and 10L/S) address can be set by 4-bit toggle switch, and the maximum address is 15.

Technical Parameters

Main technical parameters for Auto Tracking and Targeting water cannon Device as shown in Table 1-1

Table 1-1 Main Technical Parameters

Type of fire extinguishing device	ZDMS0.6/5S-TZ1S05	ZDMS0.6/5S-TZ1S05A	ZDMS0.6/5S-TZ1S05W	ZDMS0.6/10S-TZ1S10A	ZDMS0.6/10S-TZ1S10	ZDMS0.8/20S-TZ1S20	ZDMS0.8/30S-TZ1S30
Maximum protection radius	30m	30m	30m	35m	35m	50m	55m
Maximum jet-flow radius	34m	34m	34m	39m	39m	56m	62m
Maximum monitoring radius	40m	40m	40m	40m	40m	80m	80m
Rated Flow	5L/s	5L/s	5L/s	10L/s	10L/s	20L/s	30L/s
Number of Addresses	1~8	1~8	1~8	1~8	1~8	Fixed address 1, non modifiable	Fixed address 1, non modifiable
Weigh	7.2Kg	4Kg	4Kg	4Kg	7.2Kg	18.2Kg	19Kg
Outline dimension (mm)	585x235x235	400x200x200	460x200x200	460x200x200	610x235x235	570x315x360	620x315x360
Rated pressure	0.6mpa					0.8mpa	

Maximum Operating pressure	0.8mpa					1.0mpa
Mounting height	6～15m					8～15m
Interface diameter	DN32					DN80
Voltage / power consumption	DC12V/ monitoring: 1W,scanning:40W	DC12V/ monitoring: 1W,scanning:25W	DC12V/ monitoring: 1W,scanning:25W	DC12V/ monitoring: 1W,scanning:25W	DC12V/ monitoring: 1W,scanning:40W	DC24V/ monitoring：1W，scanning：50W
Fire response time	≤30s					≤60s
Angle of Vertical rotation	Elevation 30°，depression 90°(adjustable）					Elevation 30°，Depression 85°（adjustable）
Angle of Horizontal rotation	0～360°(adjustable）					
Communication type	RS485(Communication with field control box）					
Operating temperature	4~55℃					
Relative humidity	≤95%RH non-condensation					
Sprinkling type	Cyclic rotation and swing after straightaway sprinkling					
Harness length	2.5 m					
Standards	Auto Tracking and Targeting Water Cannon（GB 25204-2010)					

Main technical parameters for PSKD Fixed Fire Monitor as shown in Table 1-2

Table 1-2 Main Technical Parameters

Fire monitor type	PSKD8/20W-TZ1P20	PSKD8/30W-TZ1P30
Range	≥56m	≥62m
Rated flow	20L/s	30L/s
Number of Addresses	Fixed address 1，non modifiable	Fixed address 1，non modifiable
Weigh	18Kg	19Kg
Outline dimension (mm)	570x315x360	620x315x360
Distance of cable control	200m	
Voltage / power consumption	DC24V/ monitoring：1W，scaning：50W	
Rated operating pressure	0.8mpa	
Maximum operating pressure	1.6Mpa	
Maximum sprinkling angle	≥90°	
Elevation and depression angle & swing angle	Maximum depression≤-15，Maximum Elevation≥+60°	
Horizontal swing angle	≥180°	

Communication type	RS485(Communication with local control panel）
Operating temperature	4~55°C
Relative humidity	≤95%RH non-condensation
Standards	Fire Monitor（GB19156-2019)