



## Remote Control Fire Foam Monitor

PLKD32-Y PLKD48-Y PLKD64-Y

Quanzhou Forede Firefighting Equipment Co.Ltd

[www.forede.com](http://www.forede.com)

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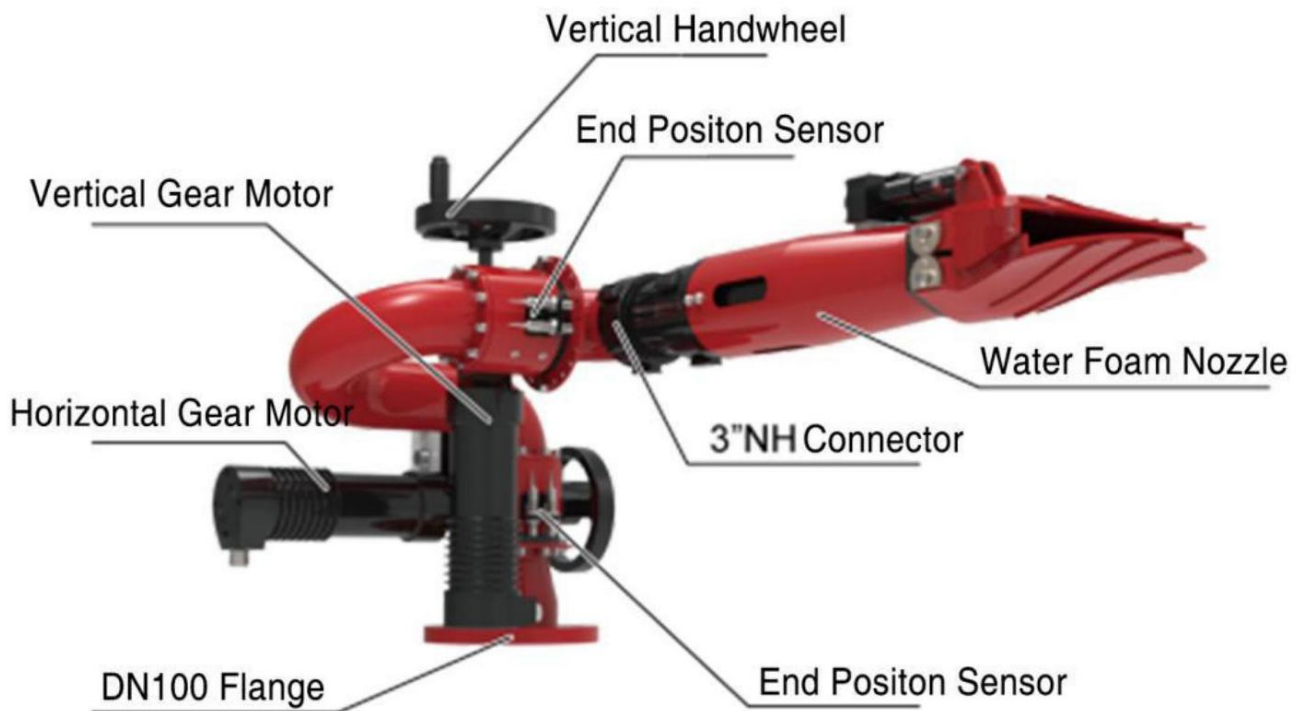
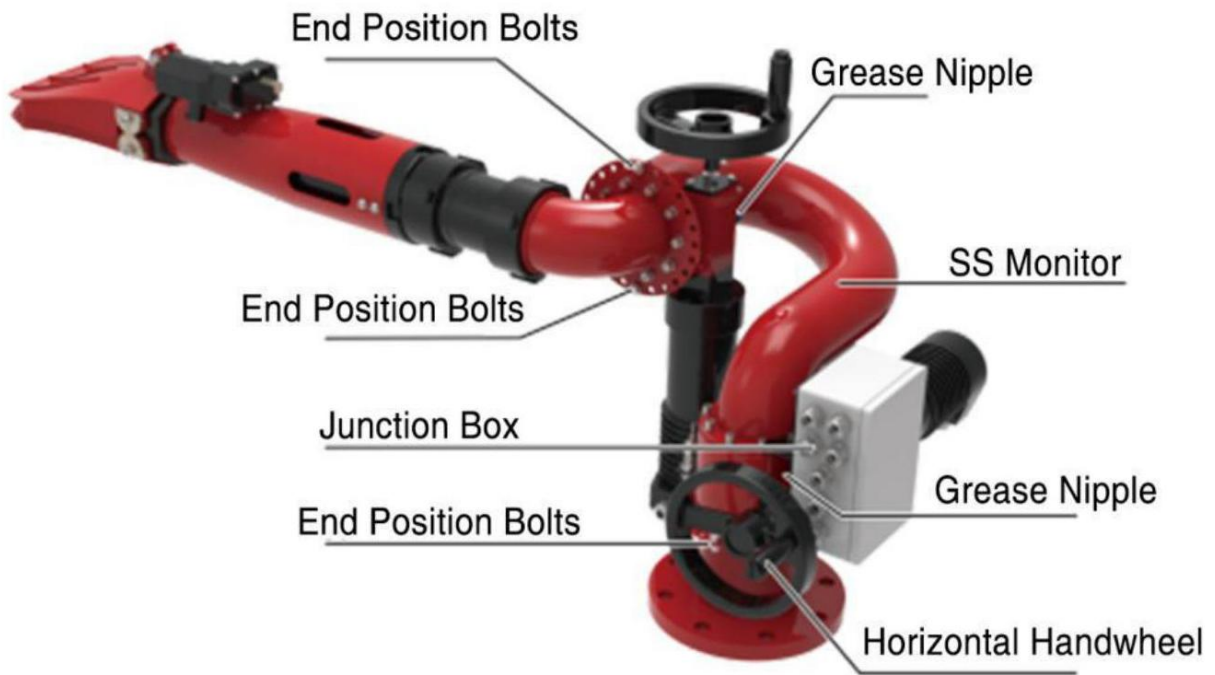
# **Safety Instruction**

- All personnel who may be expected to operate this equipment must be thoroughly trained in its safe and proper use.
  - Read the operation manual carefully before installation.
  - Before flowing water from this device, check that all personnel (fire service and civilian) are clear of the stream path. Also confirm stream direction will not cause avoidable property damage.
  - Whenever possible, this equipment should be operated from remote location to avoid exposing personnel to dangerous fire conditions.
  - Don't switch off any devices of the system before confirmation of the fire safety of power-off.
  - The performance of the fire monitor (especially its hydraulic properties) and its water supply system should be fully understood.
  - Water valves should be as careful as possible to slowly open or close to avoid water hammer phenomenon.
  - Keep fingers and hands away from active parts.
  - Disconnect the power and close the manual gate valve before maintenance.
  - Any modification to the electrical equipment in this system will destroy its safety level and invalidate the warranty of its casing and all internal components.
  - System devices should be inspected regularly according to the indicated date.
- \*The security information and other information in this specification are preceded by warnings and attention signs, please review the relevant content carefully.

<b>! WARNING</b>
Follow the warning chart strictly, in case of injury or serious product malfunction.
<b>! ATTN</b>
Read notes and operation correctly, or it may cause product failure or property loss.



Note: The related items do not necessarily directly lead to personal injury. Instead, the relevant safety information is reminded to ensure that the installation and operator know as much as possible to prevent personal or property damage.

# Structure

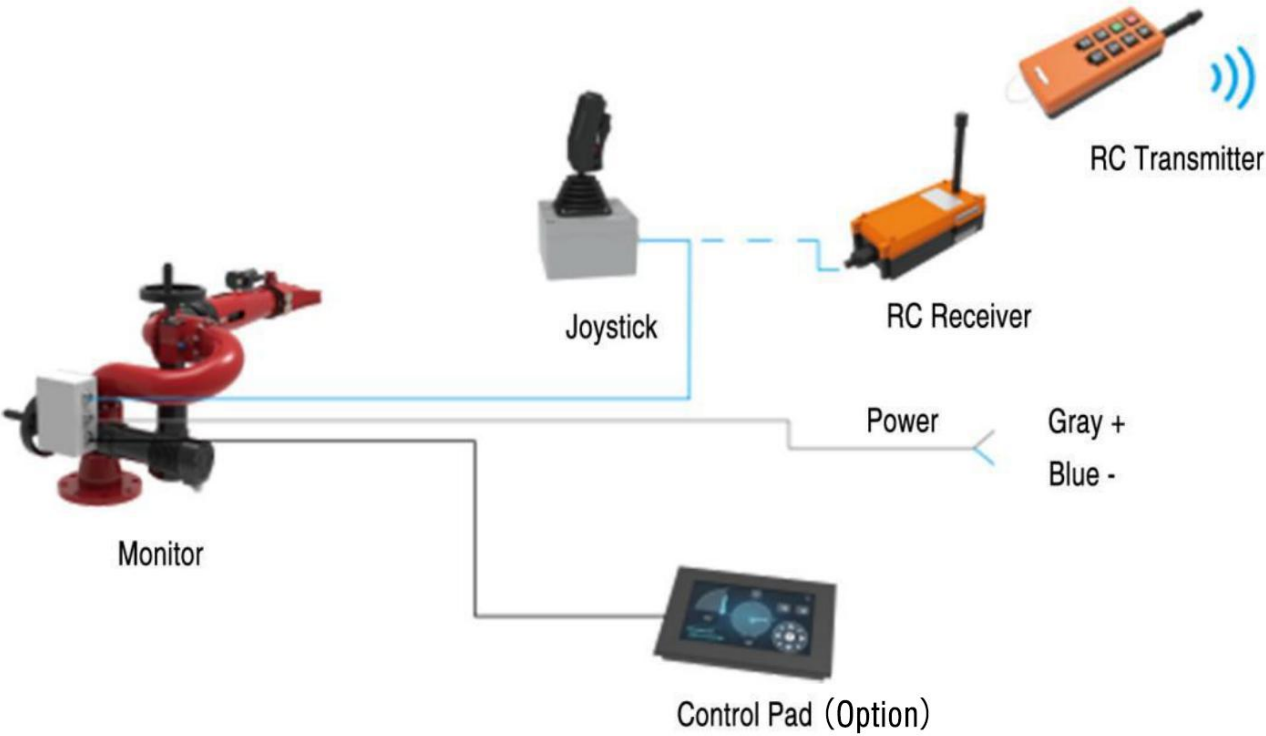


## Component List

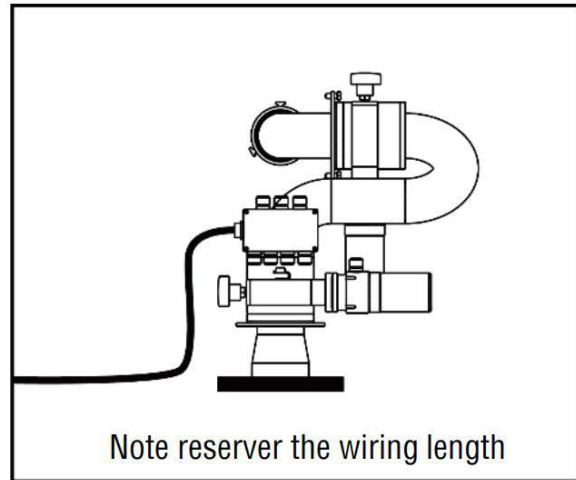
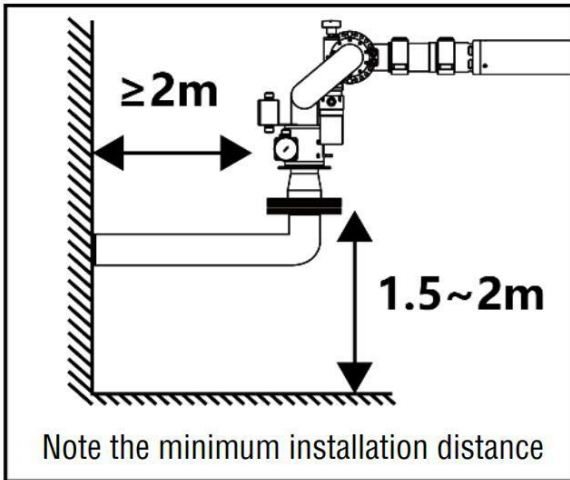
NAME	Fire Monitor Body	Foam-Water Nozzle
IMAGE		
PART#	PSZC-80Y	PTZC-PLY-48
DES - CRPTION	3 inch outlet	Flow is optional from: PTZC-PL-32; PTZC-PL-64 32LPM & 48LPM W.pressure:8 bar 64LPM W.pressure: 10 bar 3"NH Inlet connector
	24V DC Electric motor	
	SS304 Monitor Body	
	SS304 Worm; Bronze Gear	
	DN100 Flange (DN80 Option)	
NAME	Control Pad (Option)	Joystick
IMAGE		
PART#	CTRL-S01	CTRL-J01
DES - CRPTION	Fire Monitor position indication	Power indication
	7 inch screen	Aluminium Alloy Shell

NAME	Cable	RC transmitter & Receiver
IMAGE		
PART#	CTRL-CB01/CB02	CTRL-RCT01/RCR01
DES - CRPTION	CB01 Length 5m	Max. RC Distance 150m
	CB02 Length 12m	IP67
	Other Length Available	

## System Wiring



## ! WARNING



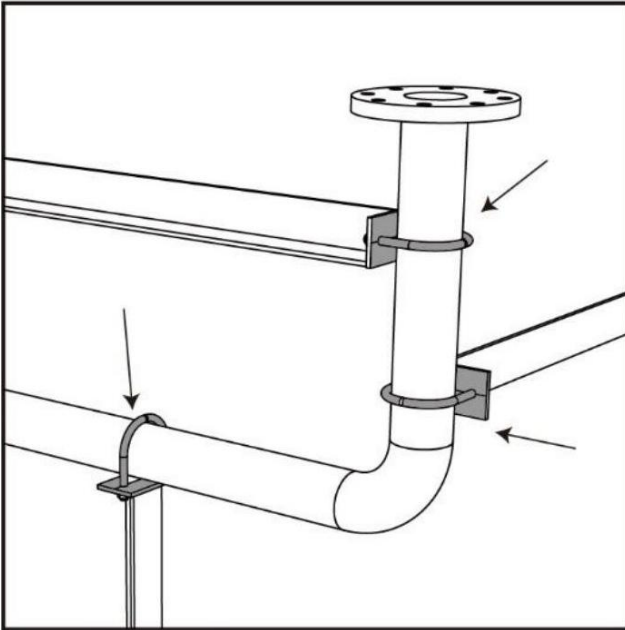
- There shall be no obstacles within the radius of 2 meters around the fire monitor, so as not to affect the rotation of the fire monitor; Keep a distance between the fire monitor inlet flange and the platform, so as not to affect the jetting range of the fire monitor.
- In order to ensure the normal rotation of the fire monitor, before install the fire monitor, the wire harness of the fire monitor must be reserved with a certain length, so as to prevent the fire monitor from being strangled and unable to rotate normally due to the short wire harness.

## ! CAUTION

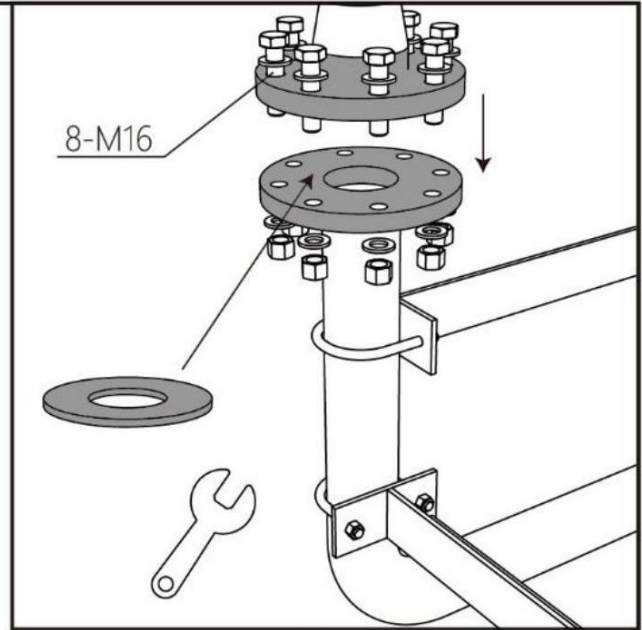
- During installing, the load-bearing capacity of the installation pipe should be considered, the support of the installation pipe should not be less than two in two directions, the support frame should not be less than two.
- The fire monitor should be installed after the pipeline installation, washing and pressure test.
- The fire monitor should be properly kept before installation, and corresponding measures should be taken to prevent dust, moisture and corrosion.
- The pipe connected with the fire monitor flange should be vertically

upward to ensure that the nozzle of the fire monitor is horizontal after installation.

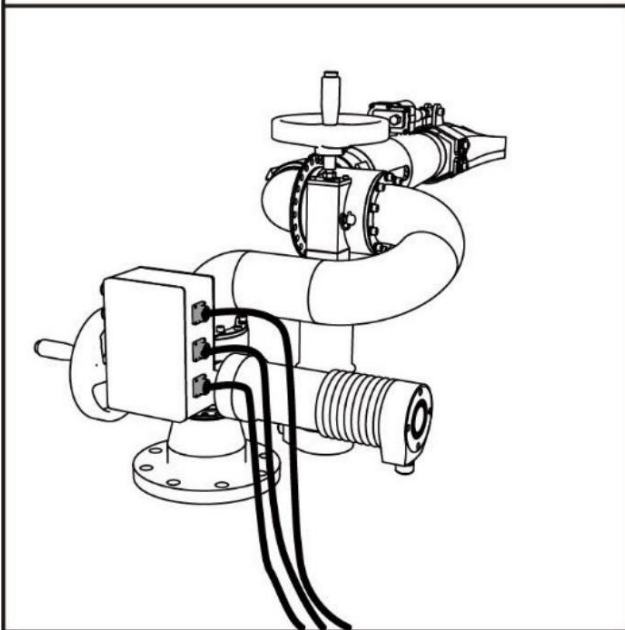
- The pipe flange plane connected with the fire monitor flange should be horizontal to prevent inclination.



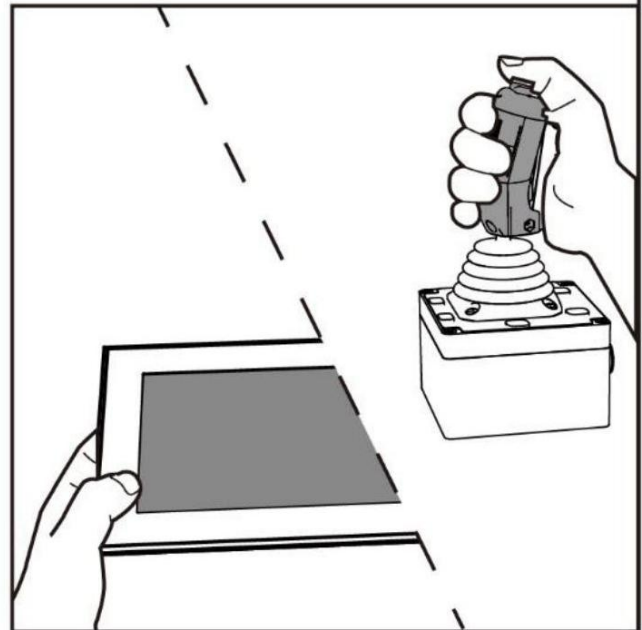
1. Install fixed support according to actual situation.



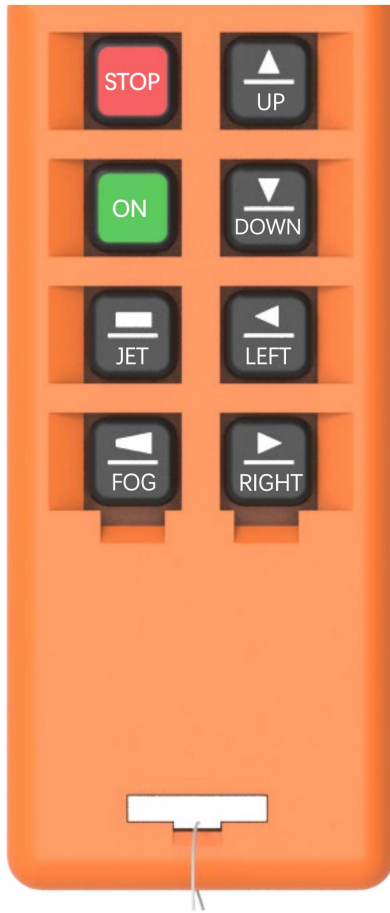
2. Mount Monitor onto base



3. Connecting Wires

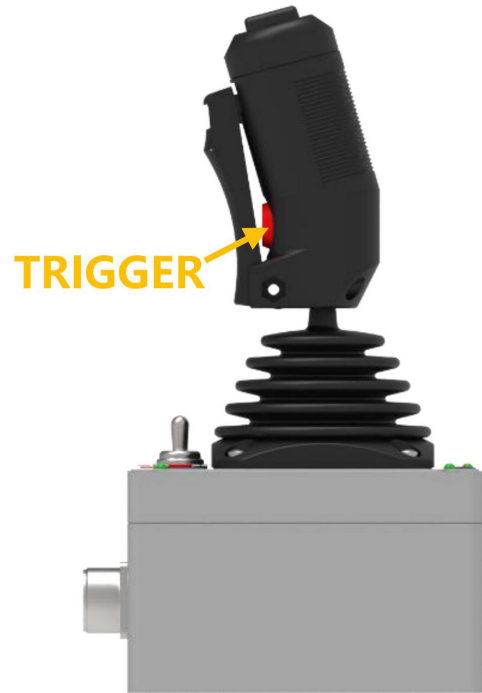
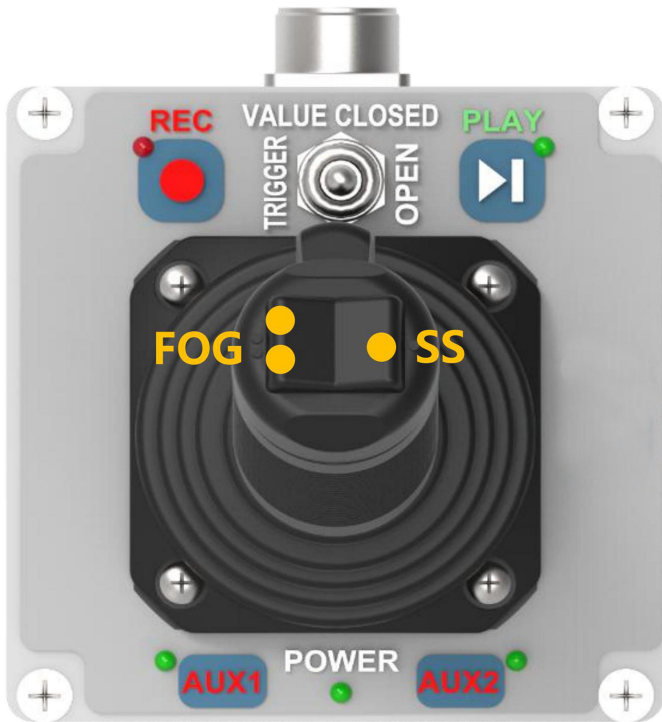


4. Check the Joystick and panel could work normally or not



- RC Transmitter operation details as below:

	Brief Description
Stop	Cut off the connecting between the RC Transmitter and Fire Monitor.
On	Connect the RC Transmitter and Fire Monitor.
Up	Turn up the nozzle elevation.
Down	Turn down the nozzle elevation.
Left	Turn left the monitor horizontal.
Right	Turn right the monitor horizontal.
Jet	Straight stream
Fog	Flat spray
Valve on	Turn on electric valve (optional).
Valve off	Turn on electric valve (optional).
Magnetic Block	White magnetic block, disconnect the remote control after removing.



- Joystick Operation Guide:

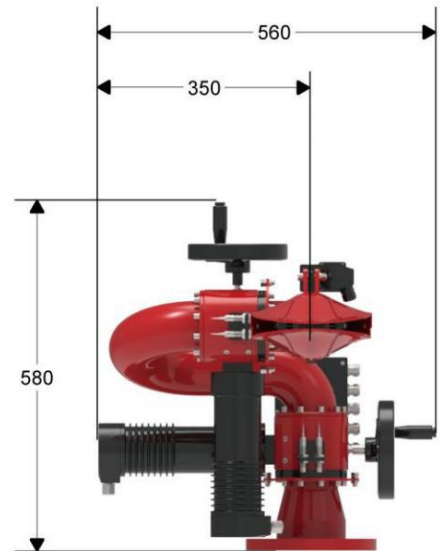
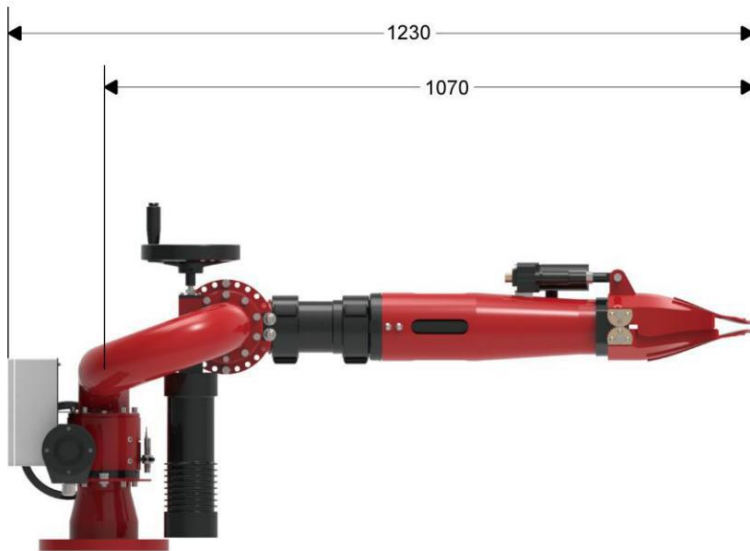
Buttons	Description
REC	Red Indicator Light,press this button to record the movement of the monitor, press “PLAY” to stop recording. (Not appropriate for this model)
PLAY	Green Indicator Light,press this button to start play the recorded movement of the monitor, press any button to stop. (Not appropriate for this model)
VALUE	Toggle switch, (Optional) Middle position - close inlet valve; Turn to“TRIGGER” side: Let Trigger take over the control of the inlet valve; Turn to“OPEN” side -open the inlet valve.
POWER	Green Indicator Light, Always on to indicate the power on-state.
AUX1	Reserved auxiliary button,customized function.
AUX2	Reserved auxiliary button,customized function.
FOG/SS	Fog spray / Straight stream (FOG button: Flat spray for Foam monitor with blabbermouth)
TRIGGER	Pull to open the inlet valve, release to close.
Handle	Turn up-down-left-right of the fire monitor.

Note:Electric inlet valve is not standard.All fuction relate with control to inlet valve should base on the Electric valve is selected in your order.

## Technical parameter

<b>Model</b>	PLKD32-Y	PLKD48-Y	PLKD64-Y
<b>W.Pressure</b>	0.8MPa	0.8MPa	0.8MPa
<b>Flow rate</b>	32LPS	48LPS	64LPS
<b>Water jet range</b>	≥ 55m	≥70m	≥ 75m
<b>Foam Jet range</b>	≥ 48m	≥60m	≥ 65m
<b>Foaming expansion</b>	≥ 6 times		
<b>25%Drainage time min(20°C</b>	≥2.5		
<b>Horizontal angle</b>	0~360°		
<b>Elevation angle</b>	-90°~+90° (customized)		
<b>Horizontal rev</b>	24°/S		
<b>Elevation rev</b>	12°/S		
<b>Power supply</b>	24VDC		
<b>Power dissipation</b>	Standby15W; Max.150W		
<b>Material</b>	Stainless Steel 304		
<b>Net weight</b>	33kg		
<b>Inlet</b>	DN100, BS, ANSI optional		
<b>Installation</b>	Mounted		
<b>Standard</b>	GB 19156-2003; GB 19157-2003		

## Overall Dimensions



## Operating Angle

