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*Instructions For Installation, Operation and Maintenance*



**MANUAL OF THE TEMPEST ELECTRIC WATER CANNON KIT**

**288-TSKD20-40SS (V<sub>3</sub>-2)**

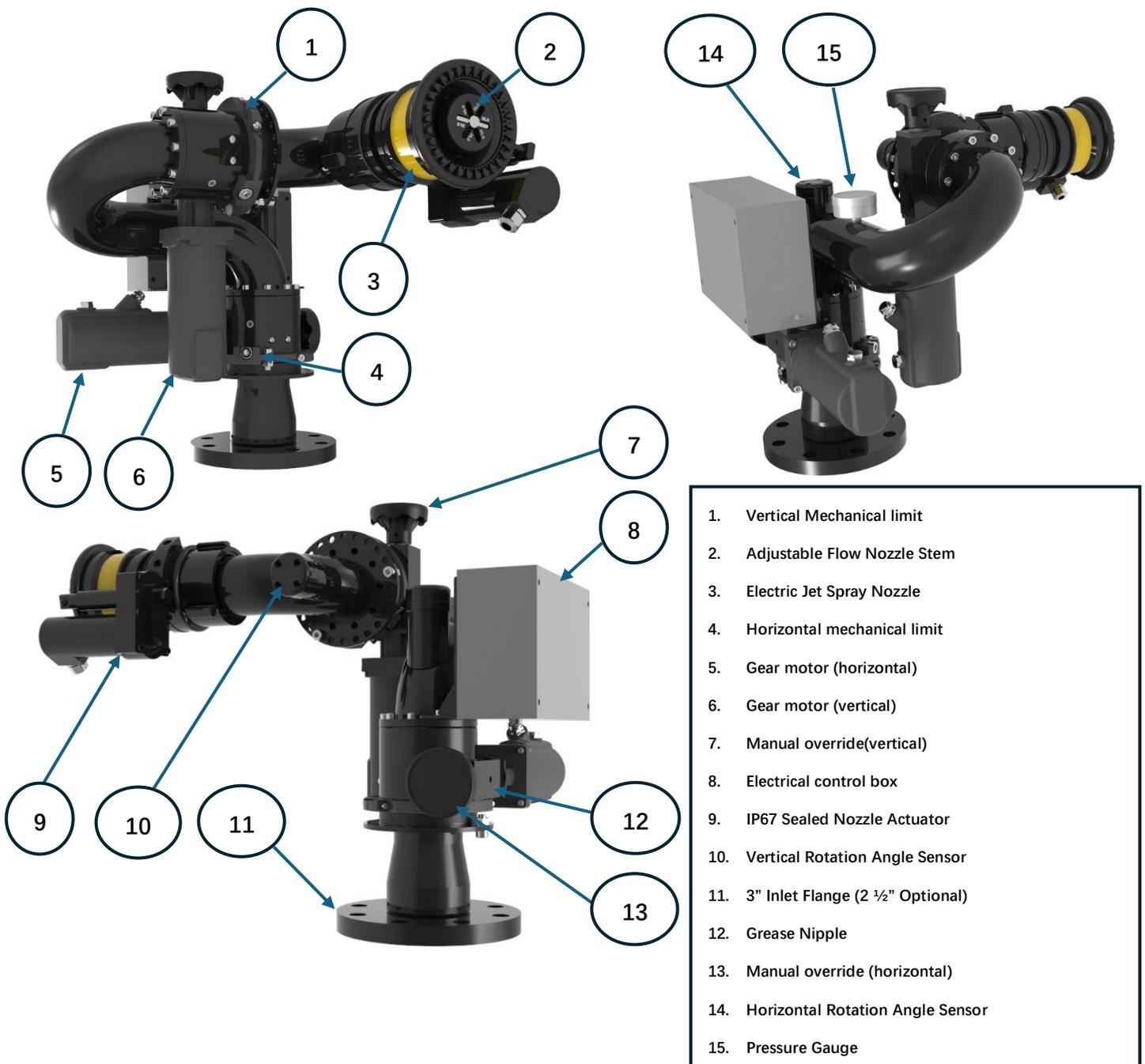


**ACCESS TRUCK PARTS**

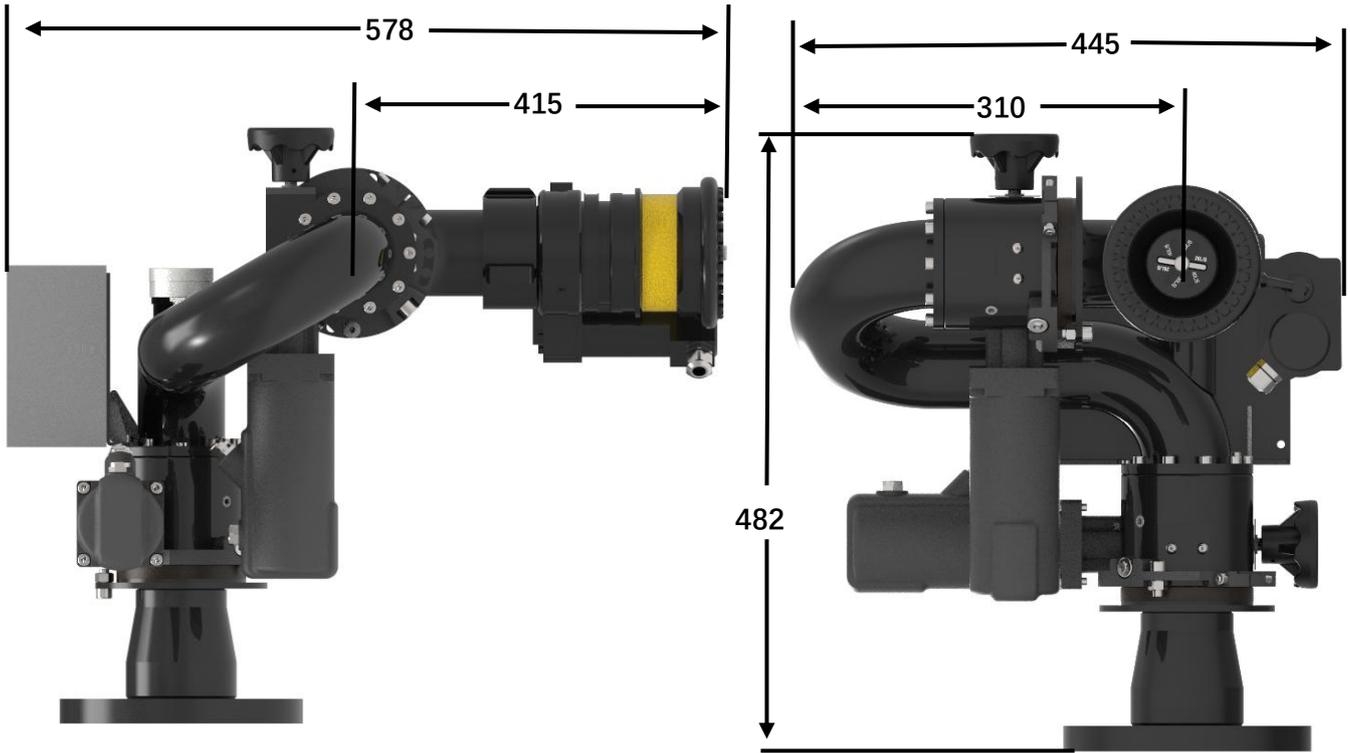
## ■ TECHNICAL SPECIFICATION

Weight in Kg Incl. Nozzle Approx	≈18KG/40 LBS	Range of Motion	+90°/-75° vertical , 360°Horizontal Other Degrees Adjustable
Material	Body Stainless 304(standard) Stainless 316 (optional) Painted Black	Speed (of high speed version)	11°/sec rotation , 11°/ sec vertical
	Aluminum Hard Anodized Nozzle	Power Consumption Max	12V @ 20A
	Gear bronze	Power Supply	12V DC
	Nozzle Model: AN40 – 12Vdc Jet Spray Nozzle – Adjustable	Reaction Force	Up to 1000N
	Flow Rates of: 1200 LPM – 1800 LPM – 2400 LPM @120PSI	Mechanical Installation	Support must withstand 4000N of force
		Options	Network, radio remote , aux control etc.
		Max. Reach @ 8 bar	65M/213FT

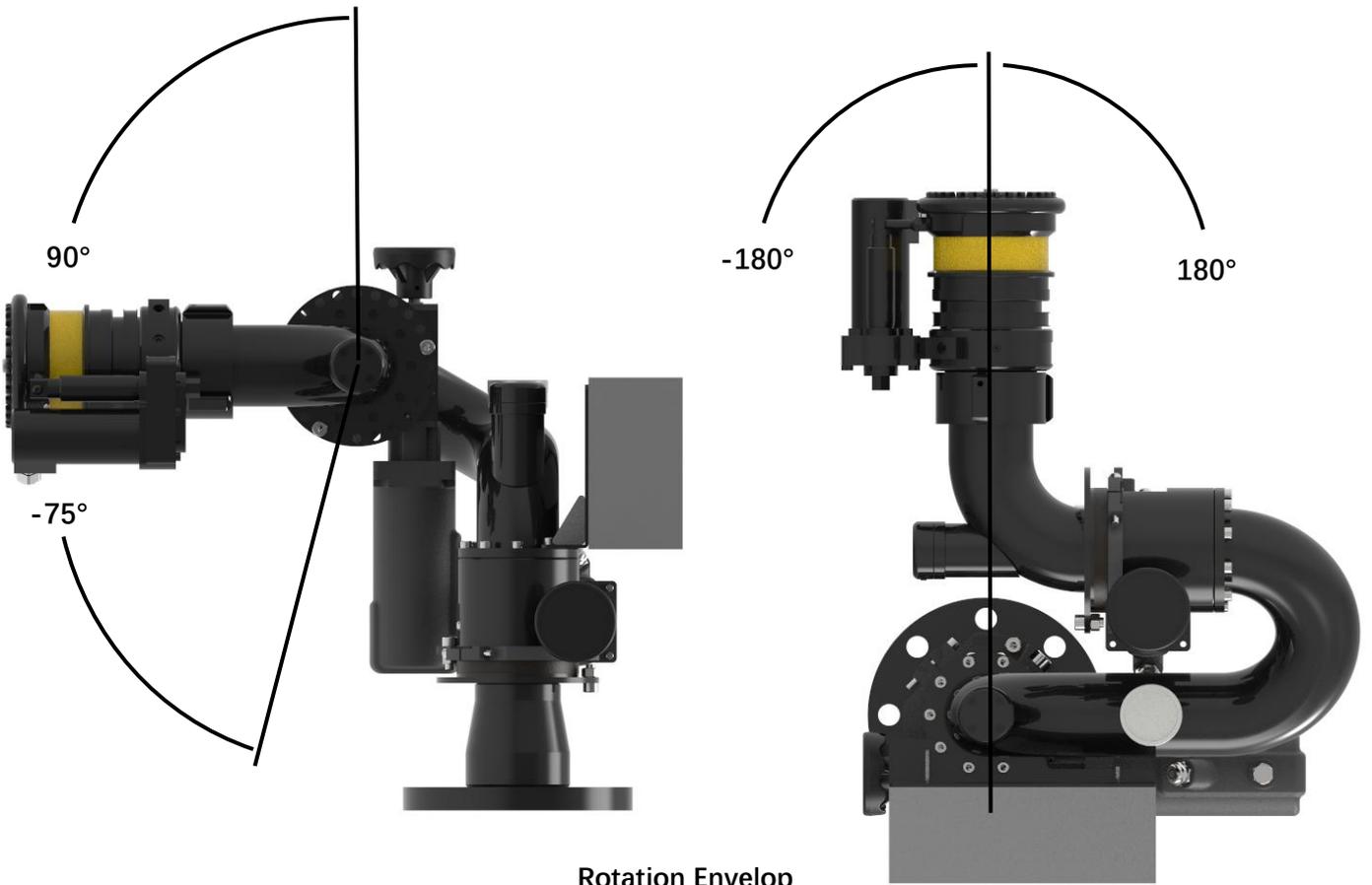
## ■ FIRE MONITOR DESCRIPTION



## OUTLINE DIMENSIONS



288-TSKD20-40SS Fire Monitor Outline Dimensions (MM)



Rotation Envelop

### NOTICE

Before mounting fire monitor, ensure that both the horizontal and vertical rotation envelopes are clear of all obstructions. See above figures for envelope dimensions.

## PERFORMANCE CHART



Results may vary depending on testing conditions and the figures may be considered as an approximate guideline only.

## SYSTEM COMPONENTS DESCRIPTION

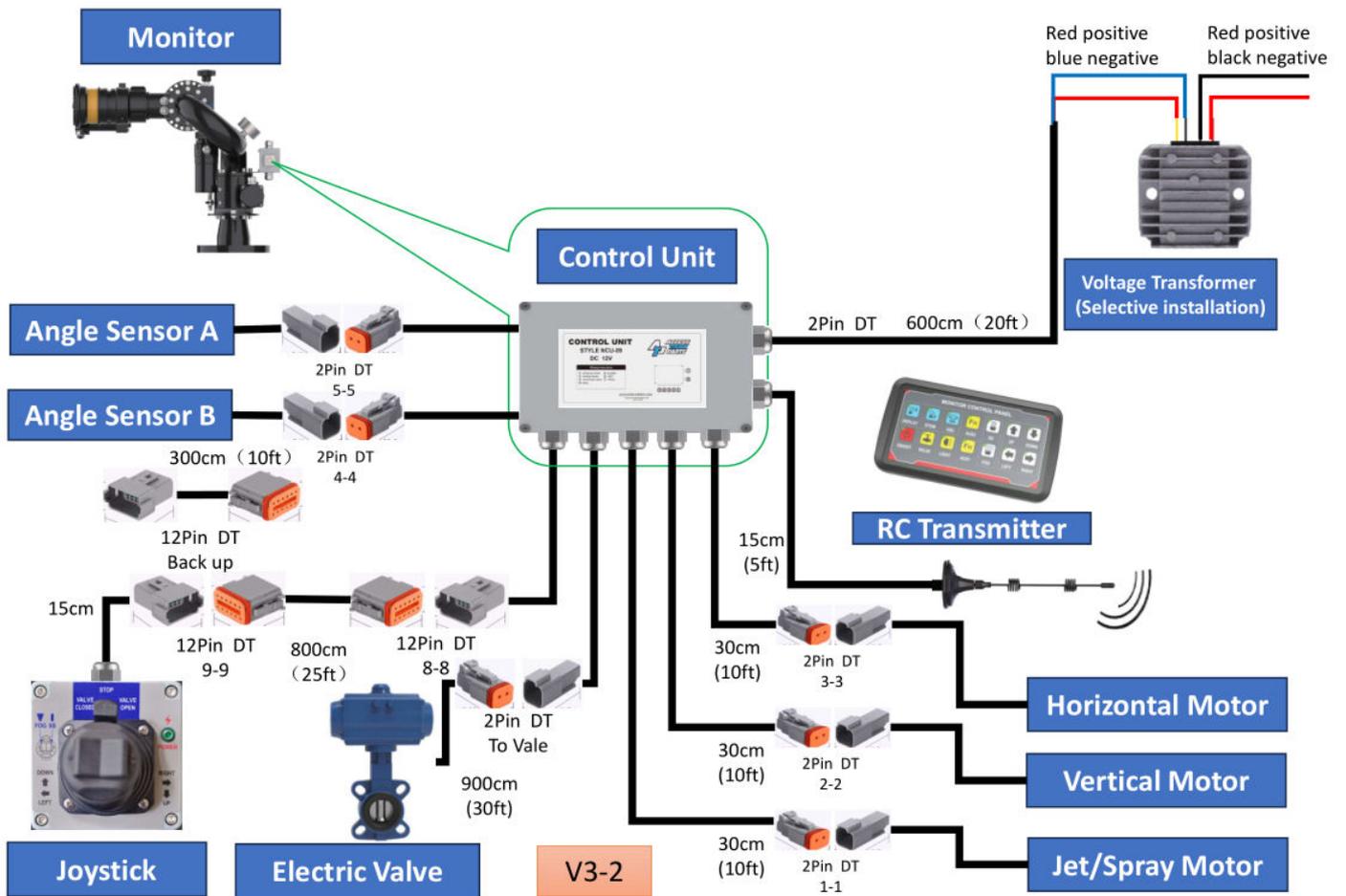
NAME	FIRE MONITOR BODY	ELECTRIC JET SPRAY NOZZLE	JOYSTICK
PART IMAGE			
PART#	2881-BODY-2	2881-PSZC65A	2881-CTRL-J01
BRIEF DESCRIPTION	12&24Vdc Electric Remote Controlled	Fixed&Selectable Flow Rates	Up-Down-Left-Right
	2 ½ "NH Outlet	1200 LPM/1800LPM/2400LPM @ 120PSI	Straight Stream/Fog Function
	Stainless 304&316 2 ½" Waterway	IP67 Standard Seal Actuator	Power Indicator
	Bronze Steel Gear, Stainless Worm	Fixed Fog Teeth	Aluminum Base
	2 ½" & 3" Inlet Flange		

NAME	CONTROL UNIT	VOLTAGE TRANSFORMER	CABLES
PART IMAGE			
PART#	2881-NCU-09	2881-DCP24/12-01	2881-CTRL-CB01-25 /CB03/CB05
BRIEF DESCRIPTION	Aluminum Cover	Transform the Voltage from 24V to 12V	Joystick to Control Unit cable- 25ft(8m) with a 10ft extension cable
	IP67 Standard Sealed	Rated Current 20A	Control Unit cable to Power- 20ft(6m)
	/	/	Cable for Valve-30ft (9m)

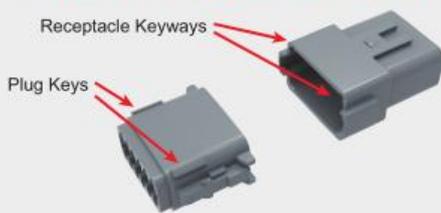
THE FOLLOWING PARTS ARE OPTIONAL REQUIREMENTS. YOU CAN CONTACT THE SUPPLIER TO ORDER IF NECESSARY.

NAME	DISPLAY SCREEN	REMOTE CONTROL (Optional)	STRAIGHT PIPE NOZZLE (Optional)
PART IMAGE			
PART#	2881-DS	2881-WP1-3	2881-PTZCZJ20-40A
BRIEF DESCRIPTION	Plastic	Max. Remote Control Distance 150m	Hard Anodized Stacked Tip Branch Pipe Nozzle c/w Inbuilt Stream Shaper – 32mm End Nozzle Orifice Tip
	Used for displaying and modifying parameters	IP65 Standard Sealed	
			2 ½”NH Female Inlet
NAME	Monitor Angle Sensor		
PART IMAGE		/	/
PART#	2881-S204802302-AS	/	/
BRIEF DESCRIPTION	Aluminum alloy	/	/
	Used for sensing angular position	/	/
	/	/	/

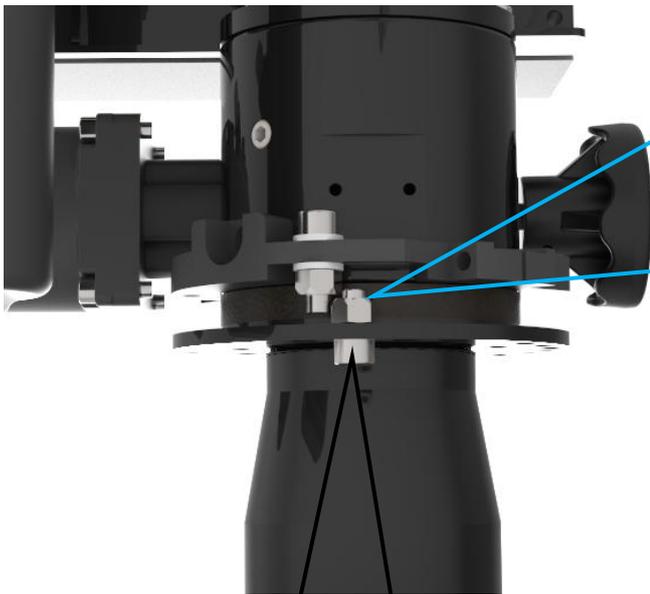
# INSTALLATION WIRING



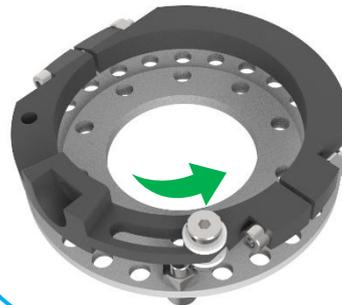
**Caution:** Make sure align the plug keys with the receptacle keyways. Then push plug into the receptacle until there is an audible and tactile click.



## INSTALLATION INSTRUCTIONS



+185°



-185°

Horizontal mechanical limit sliding bolt M8 \* 23/  
M8 \* 16 hexagonal socket+nylon gasket

1. Use 13-14mm outer hexagon and 6mm inner hexagon fixing bolts on the mechanical limit block, with nylon washers added in the middle to maintain sliding;
2. Use 13-14mm outer hexagon and 6mm inner hexagon fixing bolts on the lower flange to securely fix it;
3. The angle range of the mechanical limit (vertical + 95 °/-80°, horizontal  $\pm 180^\circ \sim \pm 185^\circ$ ) will be larger than that of the angle encoder (vertical  $\pm 90^\circ$ , horizontal  $\pm 170^\circ$ );
4. The encoder angle can be set using the display screen, and the mechanical limit angle can be adjusted by setting the bolt position and quantity;
5. When replacing or resetting "Monitor Angle Sensor, REMOTE CONTROL (Optional) and CONTROL UNIT", it is necessary to reset or link it again.

