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# USER MANUAL

**MODEL NUMBER:  
GK2T**

**Doorway Central Station**

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## READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT



# WARNING



**Read this manual completely and understand the machine before operating or servicing it.**

1. Always wear protective clothing, gloves, and eyewear while operating or servicing unit (PPE).
2. Avoid contact of cleaning agent with skin and eyes. If contact occurs, see SDS sheet for further first aid measures.
3. Follow safety instructions of chemical manufacturer (SDS).
4. Incoming air pressure cannot exceed 100 psi (6.9 bar).
5. Do not exceed a fluid temperature of 100°F (37.8°C).
6. Only use clean and dry air. Air must be filtered and free of moisture or pump life will be diminished. If needed, install air an dryer before unit.
7. Do not use air lubricator before the unit.

### PROTECT THE ENVIRONMENT

Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

\*Specifications and parts are subject to change without notice.

### Specifications:

Tip Assembly ..... NZA-DS-SL (Sold Separately)  
Foam Output ..... 15 gallons/minute (56 liters/minute)  
Foaming Pattern ..... 5 ft wide by 9 ft long  
(1.5 m wide by 2.7 m) long

### Requirements:

Compressed air 40 to 80 PSI (2.8 to 5.5 bar) with 3.5 to 8 CFM (99.1 to 226.5 l/min)

Chemical requirements: follow all instructions from chemical manufacturer.

Pre-mixed chemical must be supplied by a properly sized header system at 2 GPM and 40 to 80 PSI (2.8 to 5.5 bar).

**Acceptable Products:** Quat Sanitizers

**DO NOT USE:** Acid Quat

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### Safety Instructions:

1. Always wear safety goggles and protective gloves while servicing foam unit.
2. Avoid contact of cleaning agent with skin and eyes.
3. If contact occurs, see MSDS sheet for further first aid measures.

### Installation Instructions:

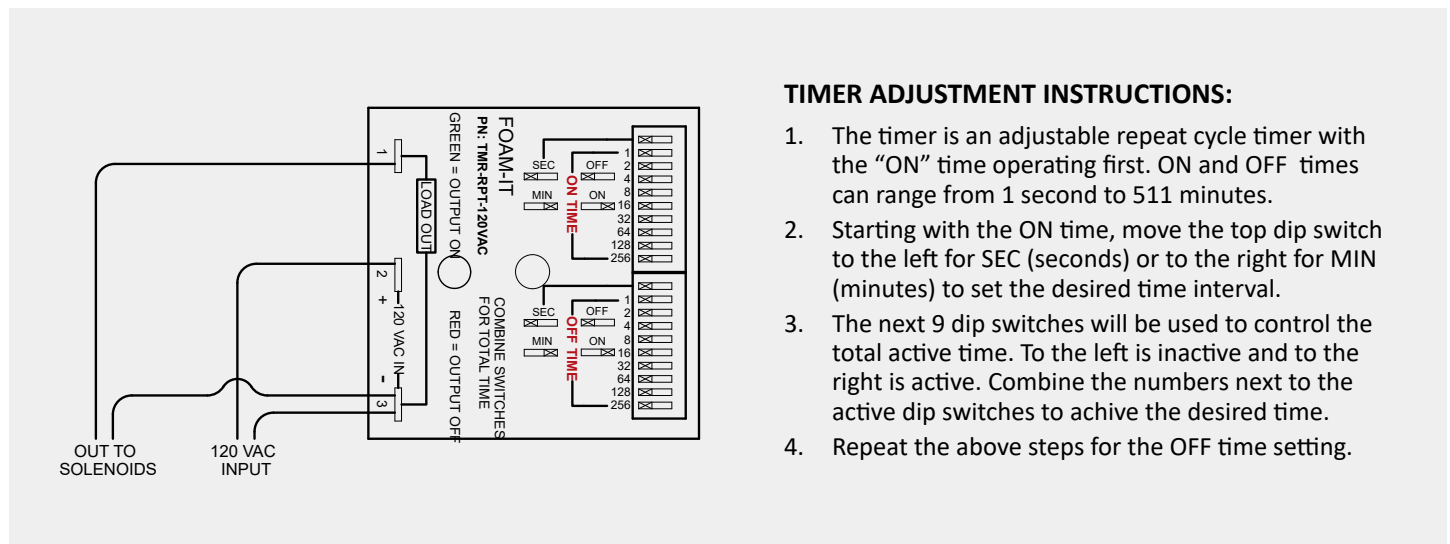
1. Remove all parts from the shipping box.
2. Mount control box to vertical surface with the screws and anchors provided.
3. Mount the nozzle assembly at the doorway being foamed with the mounting bracket that is included. It is important to mount the nozzle assembly 4 to 6 inches off the floor to ensure proper foam coverage.
4. After the control box and nozzle assembly are mounted, run ½ inch quick tubing from the discharge to the connection fitting of the nozzle assembly.
5. Connect compressed air to the control box.
6. Make sure the toggle switch is in the "OFF" position and plug the unit into a GFCI protected 110VAC outlet.
7. Set the timer (see TIMER ADJUSTMENT INSTRUCTIONS)
8. Connect the control box to the header supply line from the chemical room. Use the ½ inch NPT fittings provided. Make sure shut off valve are in between the header supply line and the control box.
9. This will ensure the ability to deactivate the control box if it needs to be serviced.

### Operation Instructions:

1. Turn the toggle switch on.
2. Open the needle valve all the way on the fluid side of the control box. Reduce the air pressure to 10 psi or less. As unit is running slowly increase air pressure until desired foam quality is achieved.
3. If foam volume is too high, turn fluid needle valve until desired flow of foam is achieved.
4. Turn the toggle switch on or off to activate or deactivate the system.

### Troubleshooting Instructions:

1. If the foam sputters out of the spray tip, first, try to adjust the needle valve and the air regulator to create better foam. Second, more chemical may need to be added to thicken the foam.
2. If only liquid or only air comes out the spray tip. First, adjust the needle valve and the air regulator to make sure one of them is not closed. Second, make sure the wiring is all connected. Third, one of the solenoids may need to be replaced. If the liquid still will not come out, check to make sure there is liquid in the tank for the pump, and be sure the pump is running. If the pump is not running, it may need to be replaced.

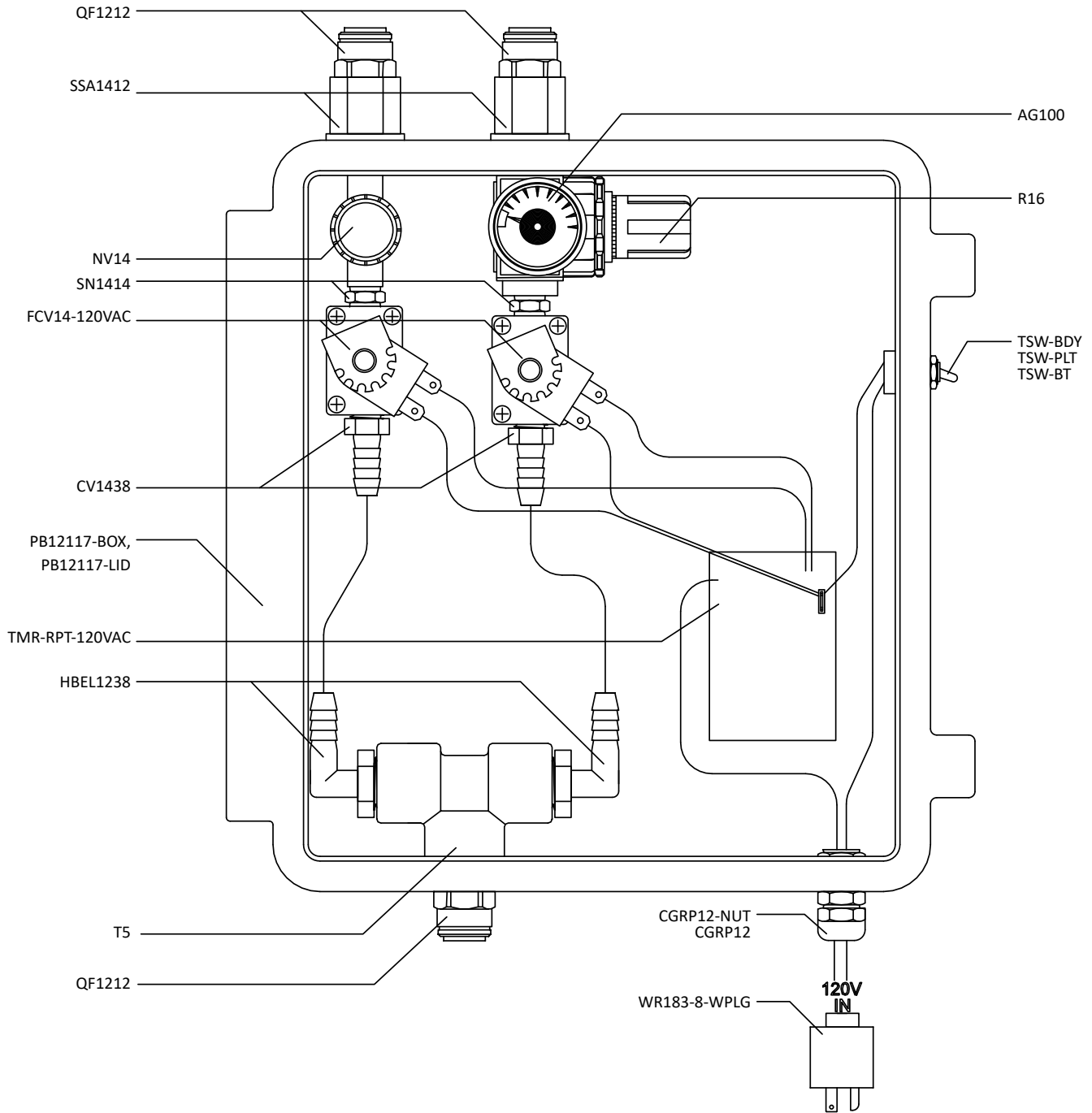


### TIMER ADJUSTMENT INSTRUCTIONS:

1. The timer is an adjustable repeat cycle timer with the "ON" time operating first. ON and OFF times can range from 1 second to 511 minutes.
2. Starting with the ON time, move the top dip switch to the left for SEC (seconds) or to the right for MIN (minutes) to set the desired time interval.
3. The next 9 dip switches will be used to control the total active time. To the left is inactive and to the right is active. Combine the numbers next to the active dip switches to achieve the desired time.
4. Repeat the above steps for the OFF time setting.

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Inside View - Control Box



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ITEM NUMBER	ITEM DESCRIPTION
AG100	AIR GAUGE - 1/8IN NPT - 0-100 PSI MARKINGS - DRY MODEL
B1032114	BOLT - 10-32 X 1 1/4IN - STAINLESS STEEL - TRUSS HEAD PHILLIPS
CB-5	CIRCUIT BREAKER ASSEMBLY - 5 AMP - INCLUDES CLEAR BOOT
CB-BT	CLEAR BOOT FOR CIRCUIT BREAKER
CGRP12	CORD GRIP - 1/2IN MPT - BLACK NYLON - CORD RANGE 0.17IN TO 0.45IN - WATER RESISTANT - FOR 7/8IN HOLE - NO NUT INCLUDED
CGRP12-NUT	NUT - 1/2NPT - BLACK NYLON
CV1438	1/4 MPT X 3/8 BARB-PVC CHECK VALVE-SS SPRING
FCV14-120VAC	FLUID CONTROL VALVE - DEMA - 1/4 IN FPT - 7 GPM - POLYPROPYLENE BODY - VITON DIAPHRAGM - 120 VAC SOLENOID - NORMALLY CLOSED - 18 IN 18 AWG FLYING LEADS
FW14NPT	FLAT WASHER FOR 1/4IN NPT - STAINLESS - 0.57IN ID X 1.28IN OD X 0.08IN THK
H38BL-F	3/8IN ID BLUE HOSE-HYBRID TPE-AVAILABLE PER FT
HBEL1238	HOSE BARB ELBOW 1/2 X 3/8
NV14	NEEDLE VALVE-1/4IN NPT-INCLUDES BLACK KNOB
PBA-12117	POLY BOX ASSEMBLY - 12IN X 11IN X 7IN - GRAY POLYPROPYLENE - INCLUDES BRAND LABEL AND MOUNTING HARDWARE
PB12117-LID	POLY BOX LID - GRAY POLYPROPYLENE - FOR PBA-12117 - INCLUDES PB-GSKT ROPE SEAL
PB12117-BOX	POLY BOX - GRAY POLYPROPYLENE - FOR PBA-12117
PB-FT	POLY BOX FOOT - GRAY POLYPROPYLENE - FOR PBA-12117 AND PBA-16138
PB-LTCH	POLY BOX LATCH - GRAY POLYPROPYLENE - TWO PIECES ASSEMBLED - FOR PBA-12117 AND PBA-16138
PB-PIN	STAINLESS STEEL HINGE PIN FOR PB16138 AND PB12117

P18	PLUG - 1/8IN MPT - 304 STAINLESS STEEL - SQUARE HEAD
QF1212	QUICK FIT-1/2 MPT X 1/2 OD TUBE-POLYPROPYLENE
QFT12	UNION TEE 1/2in TUBE - POLYPROPYLENE
R16	REGULATOR - AIR - 2X 1/4IN FPT AND 2X 1/8IN FPT PORTS - NO BOWL AND FILTER - NO GAUGE
S1034-FH-HL	SCREW - #10 X 3/4IN - STAINLESS STEEL - FLAT HEAD PHILLIPS - HILO THREAD
SN1414	STAINLESS HEX NIPPLE 1/4 MPT X 1/4 MPT
SSA14	STAINLESS ADAPTER 1/4 MPT X 1/4 FPT
SSA1412	STAINLESS ADAPTOR 1/2 FPT X 1/4 MPT
SSC38	SCREW BAND CLAMP - STAINLESS STEEL - FOR 3/8IN HOSE
T5	1/2 POLY TEE
TMR-RPT-120VAC	TIMER - REPEAT CYCLE - SECONDS AND MINUTES ADJUSTABLE DIGI-SET - 120VAC - SCREW TERMINAL BLOCK - INCLUDES INSTRUCTIONS
TSW-BDY	TOGGLE SWITCH - BODY - SINGLE POLE SINGLE THROW - NICKEL-PLATED BRASS - 1/4IN SPADE TERMINALS - 1/2IN MOUNTING HOLE - 15/32-32 KEYED THREADED BUSHING
TSW-PLT	TOGGLE SWITCH - ON/OFF PLATE - NICKEL-PLATED STEEL - MOUNTING HOLE FOR 15/32 KEYED BUSHING
TSW-BT	TOGGLE SWITCH - MOUNTING BOOT - BLACK SILICONE RUBBER - 15/32-32 INTEGRATED NUT
WC1416-FSPD14	WIRE CONNECTOR - FOR 14 TO 16 GAUGE WIRE - 1/4IN FEMALE SPADE - BLUE PVC INSULATED
WMS14	WALL MOUNT SCREW - #14 X 1 1/4IN - STAINLESS STEEL - HEX HEAD SLOTTED
WMS14A	WALL MOUNT SCREW ANCHOR -#14 X 1 1/4IN - PLASTIC - 5/16IN DRILL SIZE
WR183-8-WPLG	WIRE CORD WITH US STANDARD UNPOLARIZED GROUNDED PLUG - 18AWG 3 CONDUCTOR - 8FT LONG - BLACK RUBBER JACKET - EPDM INSULATION - TYPE SJOOW - 10A RATING