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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.
2. Avoid contact of cleaning agent with skin and eyes. If contact occurs, see MSDS sheet for further first aid measures.
3. Follow safety instructions of chemical manufacturer (MSDS).
4. Never point the discharge wand at anyone.
5. Incoming air pressure cannot exceed 100 PSI (7BAR).
6. After each use, relieve all remaining pressure in the system by unplugging the air line from the unit and opening the discharge ball valve to prevent accidental discharge.
7. After relieving the pressure from the unit, store the unit with the ball valve in the closed position.
8. Be sure to flush the unit with fresh water for 5 minutes when switching from an alkaline to an acid or an acid to an alkaline.
9. Do not exceed a fluid temperature of 100°F (37°C).
10. 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.
11. 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 ..... GK6T (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:

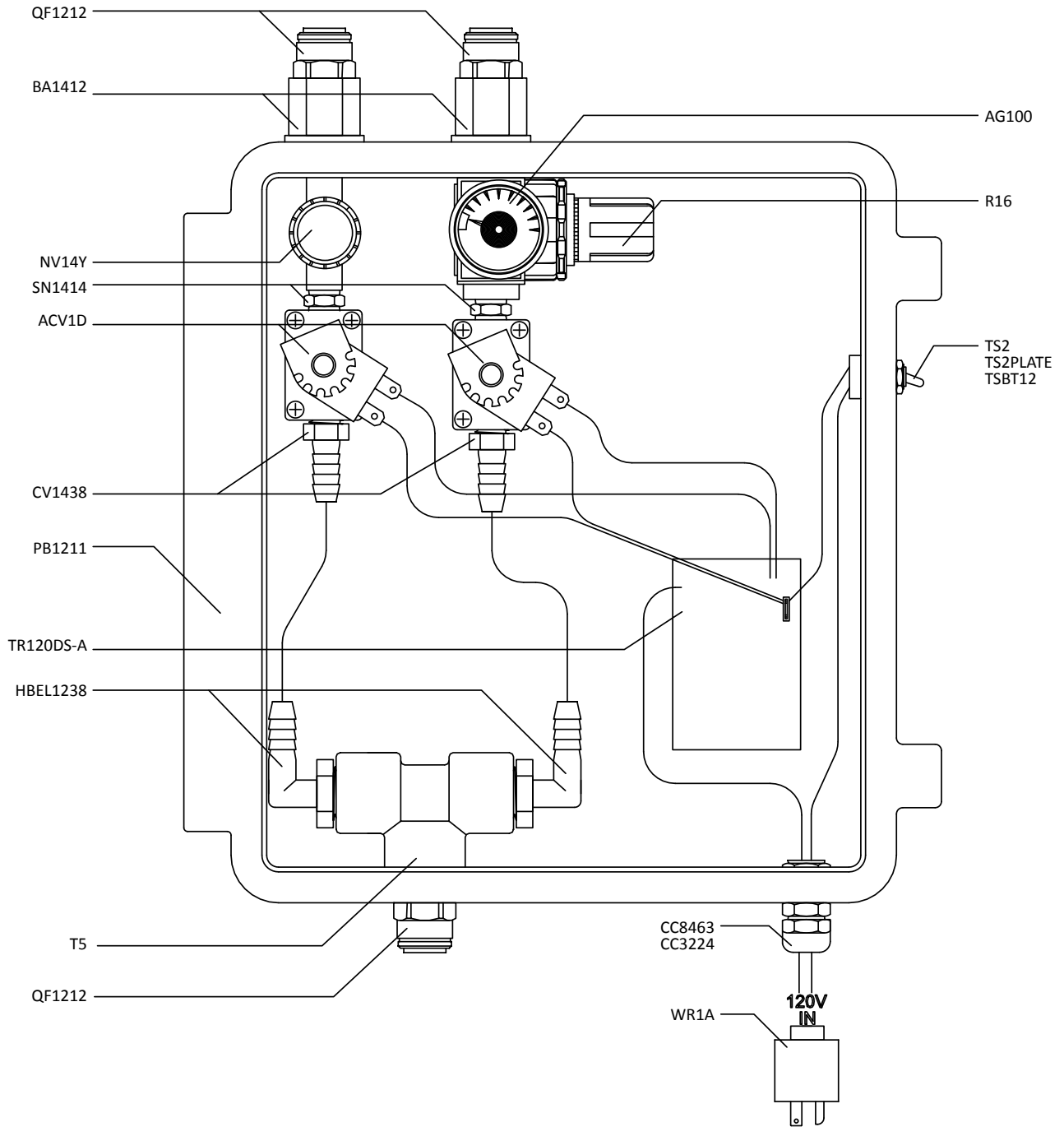
Compressed air 40 to 80 PSI (3 to 5 bar) with 3.5 to 8 CFM (99 to 226 l/min)  
Chemical requirements: follow all instructions from chemical manufacturer.  
Pre-mixed chemical must be supplied by a properly sized header system at 2 GPM and 40 to 80 PSI (3 to 5 bar).

**Acceptable Products:** Quat Sanitizers

**DO NOT USE:** Acid Quat

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Inside View - Control Box



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**Parts List**

<b>Item Number</b>	<b>Description</b>
ACV1D	SOLENOID VALVE, 120V N/C - 1/4 inFPT
AG100	1.5in DRY MODEL 20 DUAL SCALE GAUGE
AS1-P	1/4-20 X 1/2in SCREW WITH PATCH
B10321	10-32 X 1 PHIL TRUSS MACH SCR 18-8
B103278F	10-32 X 7/8 PHIL FLAT MACH SCR 18-8
BA1214	MALE/FEMALE ADAPTER 1/2 FPT X 1/4 MPT
BH142015	BUTTON HEAD SOCKET CAP - 1/4 - 20 x 1.5 STAINLESS STEEL
CC3224	LTC BLACK 1/2 NPT
CC8463	1/2in NPT BLACK LOCKNUT
CV1438	PVC CHECK VALVE 1/4 MPT X 3/8 BARB - SS SPRING
FWLG14	.569 ID X 1.28 OD X .08 THICK FLAT WASHER SS 18-8
H38B	3/8in BLUE GENERAL SERVICE HOSE
HBEL1238	HOSE BARB ELBOW 1/2 X 3/8
NV14Y	FLOW CONTROL VALVE
P18	POLY PLUG 1/8 MPT HEX HEAD
PB1211	GRAY POLY BOX 12 X 11 X 6
PB1211-GSKT	3/32 INCH THICK GSKT WITH PSA
PBFT-SS	POLY BOX SS FOOT
PL1211	12X11 INCH POLYETHYLENE LID
QF1212	MALE CON. 1/2in TUBE X 1/2in MPT
QFT12	UNION TEE 1/2in TUBE
R16	PB21649-N500 W/6 BAR SPRING
SN1414	STAINLESS 1/4" MPT X 1/4" MPT NIPPLE
SSC38	WORM GEAR CLAMP, S/S (.25-.63)
T5	1/2 POLY TEE
TR120DS-A	REPEAT CYCLE TIMER - ADJUSTABLE DIGI-SET - 120 VAC
TS2	TOGGLE SWITCH SPST
TS2PLATE	ON/OFF SWITCH PLATE
TSBT12	TOGGLE SWITCH BOOT
WCB14F	14-16 - 1/4 FEM INSULATED CONNECTOR
WCB14FY	10-12 - 1/4in FEMALE INSULATED CONNECTOR
WMS14	14 X 1 1/4 HEX W/H SMS SLOTT, S/S
WMS14A	5/16 X 1 1/2 STRAIGHT PLASTIC ANCHOR
WR1A	18/3 SJOOW 90 BLACK N.A. W/ 5-15P & 7in ROJ

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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:

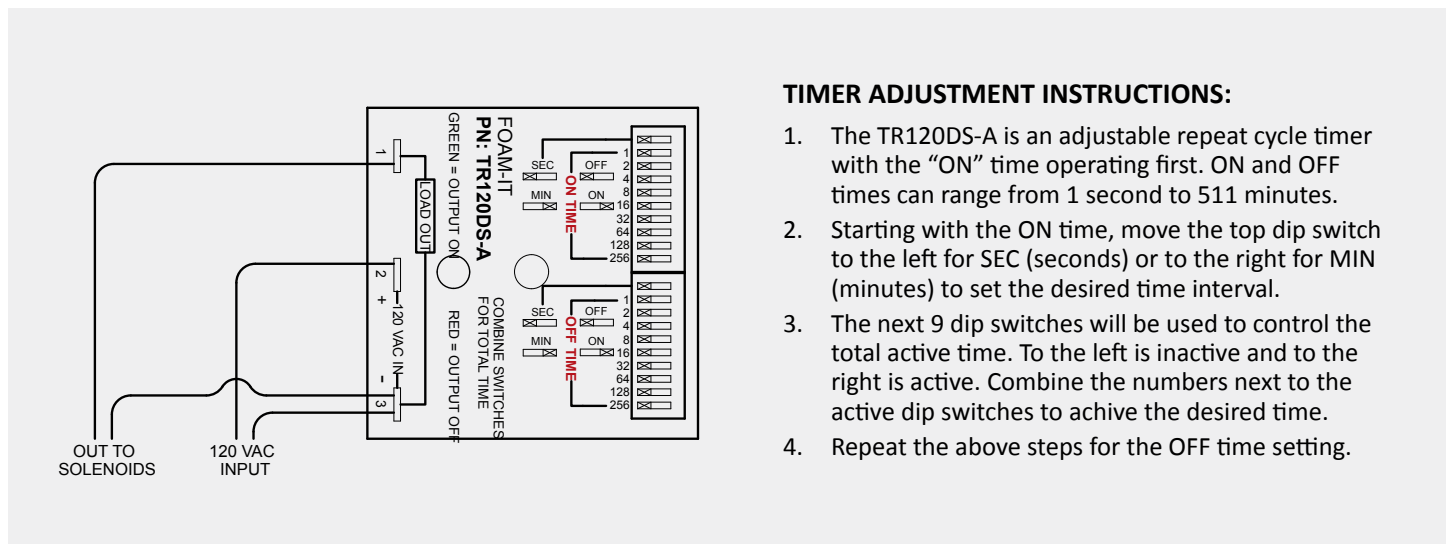
1. Remove all parts from the shipping box.
2. Mount control box to vertical surface with the screws and anchors provided.
3. Mount the GK6T (not included) nozzle assembly at the doorway being foamed with the mounting bracket that is included. It is important to mount the GK6T 4 to 6 inches off the floor to ensure proper foam coverage.
4. After the control box and nozzle assembly are mounted, run 1/2 inch quick tubing from the discharge (QF1212) to the connection fitting of the GK6T.
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 1/2 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, or 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 TR120DS-A 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.