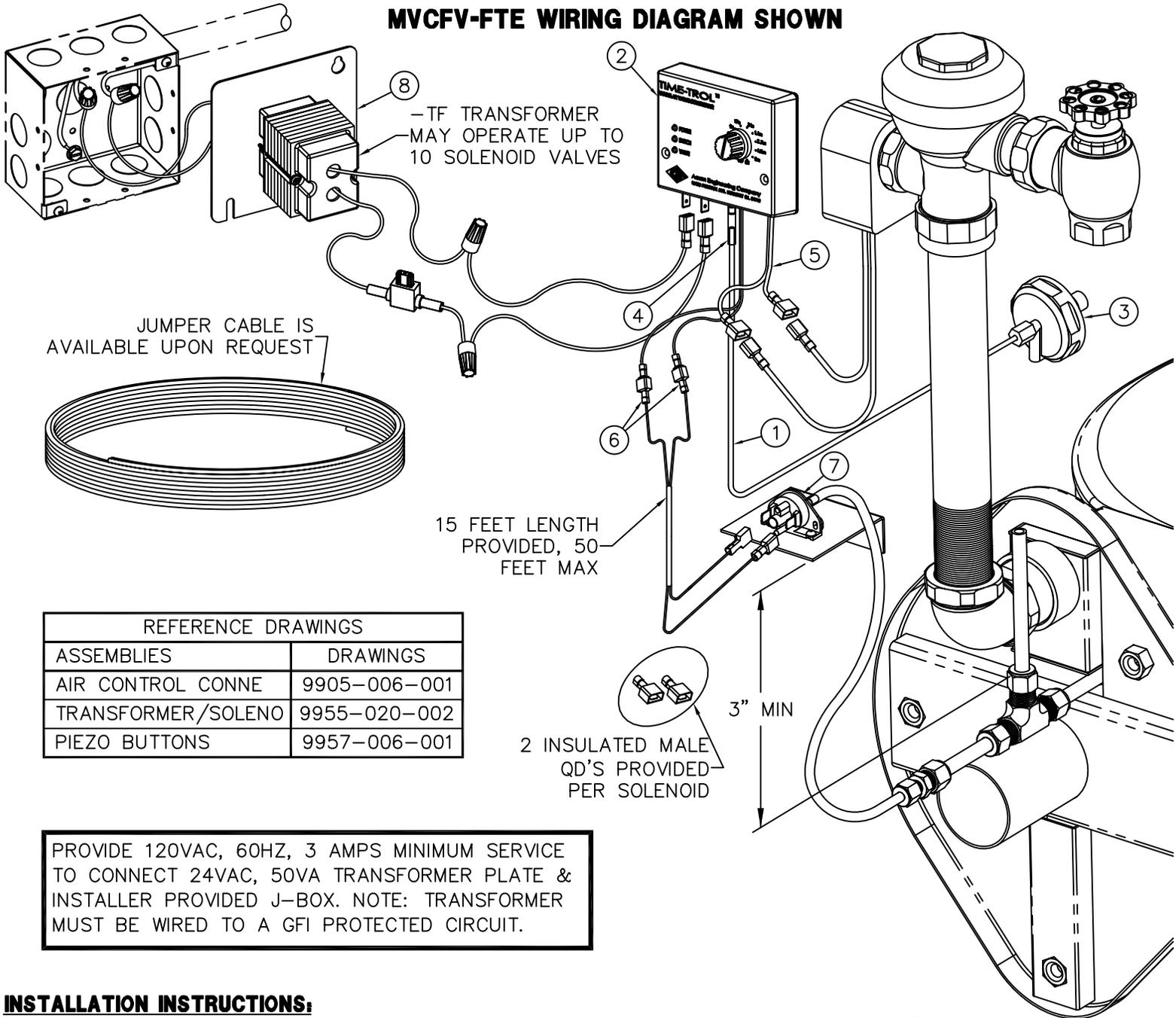




MVCFV-FTE WIRING DIAGRAM SHOWN



REFERENCE DRAWINGS

ASSEMBLIES	DRAWINGS
AIR CONTROL CONNE	9905-006-001
TRANSFORMER/SOLENO	9955-020-002
PIEZO BUTTONS	9957-006-001

PROVIDE 120VAC, 60HZ, 3 AMPS MINIMUM SERVICE TO CONNECT 24VAC, 50VA TRANSFORMER PLATE & INSTALLER PROVIDED J-BOX. NOTE: TRANSFORMER MUST BE WIRED TO A GFI PROTECTED CIRCUIT.

INSTALLATION INSTRUCTIONS:

- A. ROUGH-IN & INSTALL FIXTURE AND FLUSH VALVE PER MANUFACTURER'S INSTRUCTIONS.
- B. CONNECT AIR TUBING (1) FROM PUSHBUTTON ASSY (2) TO CONTROLLER ASSEMBLY (3) BY INSERTING FREE END OF AIR TUBING INSIDE THE CONTROLLER TUBE (4) AT THE POSITION MARKED "ACTUATOR". HAND TIGHTEN FERRULE NUT ON PUSHBUTTON ASSEMBLY (3).
- C. CONNECT CONTROLLER WIRES (5) INDICATED "VALVE" ON THE CONTROLLER (2) TO SOLENOID VALVE USING QDS (6) PROVIDED.
- D. IF -FTE SENSOR SWITCH (7) IS SHIPPED LOOSE, IT MUST BE FIELD MOUNTED TO CHASE WALL A MIN OF 3 INCHES ABOVE FLOOD LEVEL OF TOILET. SENSOR TUBING MUST BE INSTALLED WITHOUT LOW POINTS.
- E. MAKE UP CONNECTIONS FROM TRANSFORMER (8) TO CONTROLLER AS SHOWN.
- F. SET CONTROLLER TO DESIRED SETTING. FOR CONTINUOUS USE, SET TO "ON"; FOR TIMED FLUSH "LOCK-OUT", SET AT DESIRED TIME INTERVAL BETWEEN FLUSHES; TO STOP USER FLUSH, SET TO "OFF" POSITION.

<p>ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200</p>	TITLE MVCFV-FTE TIME-TROL FLUSH VALVE		
	MANUFACTURE DATE AUGUST 2018 TO PRESENT	DATE ISSUED 03/11/22	DRAWING NUMBER 9905-225-002
		DATE REVISED	



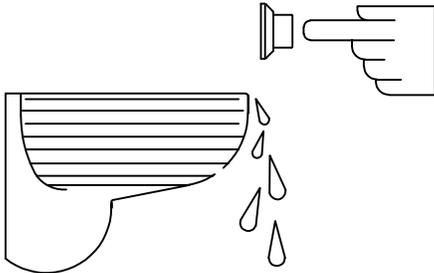
FLOOD-TROL (-FT & -FTA) ANTI-FLOOD SYSTEM VALVE

NORMAL VALVE OPERATION IS IN THE OPEN POSITION UNTIL TRIGGERED CLOSED WHEN A HIGH WATER LEVEL CONDITION IN THE TOILET BOWL IS PRESENT.

CONDITION:

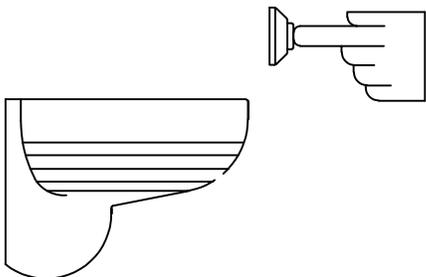
SOLUTION:

WATER KEEPS FLOWING IN AN OVERFLOW CONDITION:



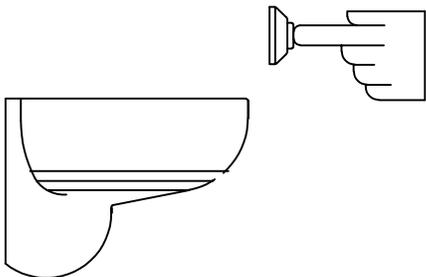
- 1.1 Check all tubing and fittings for leaks.
- 1.2 Check offset hole in lower diaphragm for debris.
- 1.3 Check valve body seat for build-up or damage.
- 1.4 Check pilot orifice plate for debris or damage.
- 1.5 Check float in float tank for freedom of movement (-FTA Auto-reset only).

NO WATER WILL FLOW: (TOILET WILL NOT FLUSH.)



- 2.1 Make sure all water supply stops are open.
- 2.2 Make sure the reset button has been pushed. (-FT Manual reset only).
- 2.3 Check toilet bowl sensor port fitting for debris.
- 2.4 Check center orifice hole in bonnet for debris.
- 2.5 Check pilot orifice (offset) hole in bonnet for debris.
- 2.6 Check flush valve for proper operation.
- 2.7 Check float tank & tubing for debris (-FTA Auto-reset).

PREMATURE WATER SHUTOFF:



- 3.1 Check toilet bowl sensor port fitting for debris.
- 3.2 Check for kinks in the plastic and copper tubing.
- 3.3 Float tank lid orifice clogged (-FTA Auto-reset only).
- 3.4 Check valve defective (-FTA Auto-reset only).

Refer to Acorn Operations And Maintenance Manual for the the following:
 Refer to drawing #9905-090-003 for (-FT) Flood-Trol Installation.
 Refer to drawing #9905-095-002 for (-FTA) Flood-Trol Auto-reset Installation.
 Refer to drawing #9955-010-002 for Parts breakdown of -FT & -FTA valves.
 Refer to drawing #9955-011-001 for Parts breakdown of -FTA valve assembly.

ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	TITLE FLOOD-TROL ANTI-FLOOD DEVICE MAINTENANCE INSTRUCTIONS (-FT & -FTA)	
	MANUFACTURE DATE JANUARY 1986 TO PRESENT	DATE ISSUED 10-1-93 DATE REVISED 03/09/09