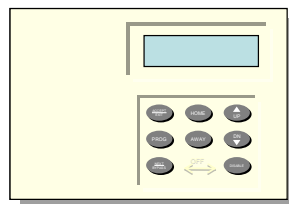
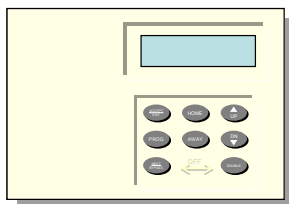
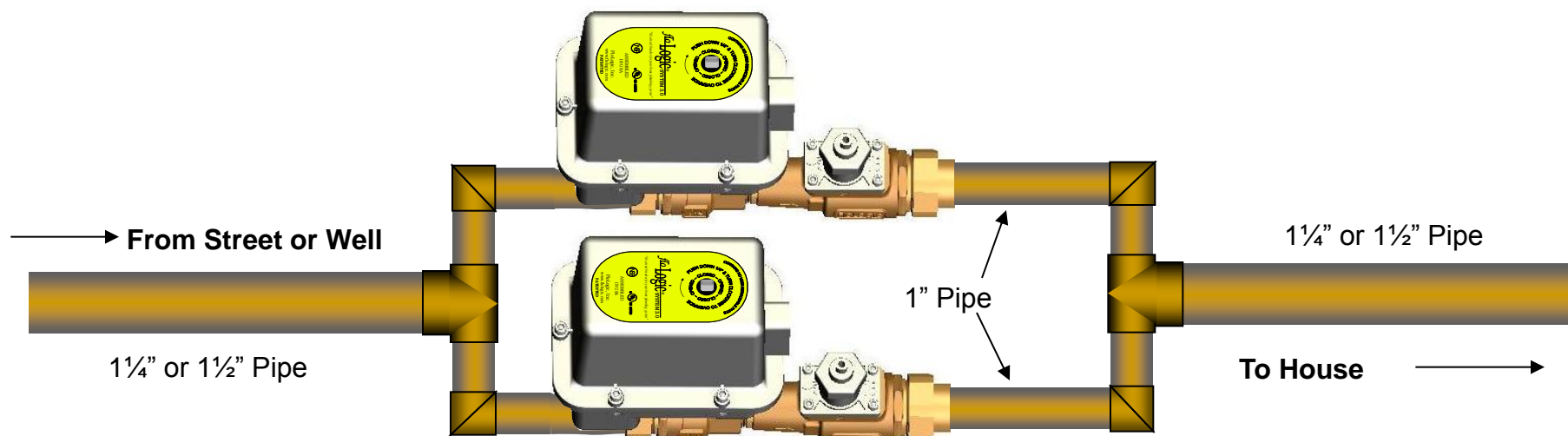


Interconnecting Two Parallel FloLogic Systems

Using a Split Configuration for Large Supply Lines
For Use with RED Board Version of the System (2012 or later)



Two Control Panels Provided
(Interconnected for Coordinated Monitoring and Control)

NOTE: This design requires the use of Red boards in keypads (2012 version).
With this configuration there will be two active flow sensors, providing redundant protection to the structure.

Directly Interconnecting Parallel Systems

Master – Slave Interconnects

1. LEAK ALARM (Master TB2 – Slave TB2)

- Connect **Master** TB2 Pin 3 to **Slave** TB2 Pin 6
- Connect **Master** TB2 Pin 4 to **Slave** TB2 Pin 5

2. AWAY Trigger (Master TB3 – Slave TB2)

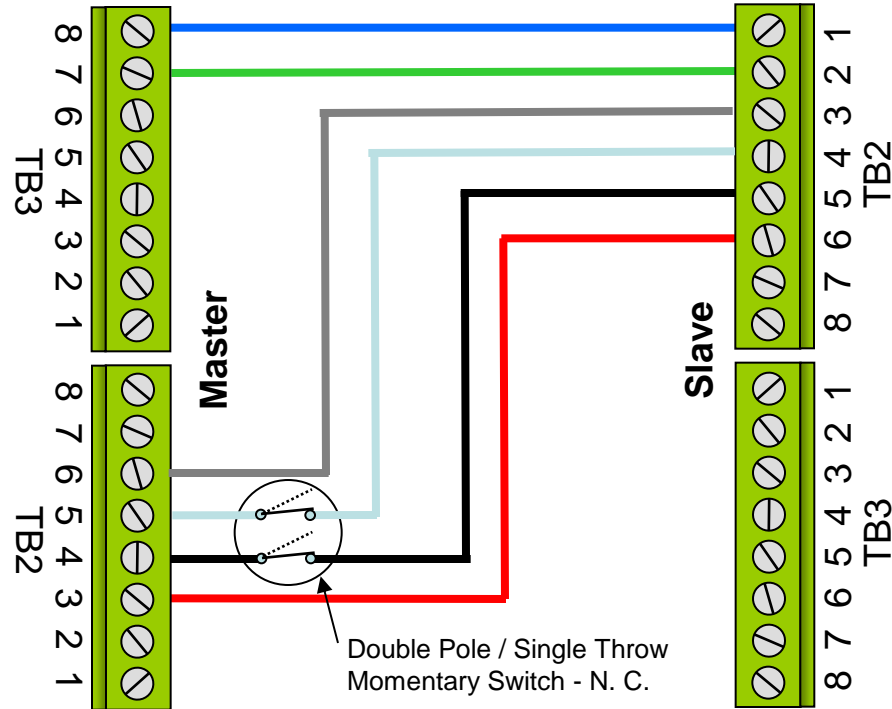
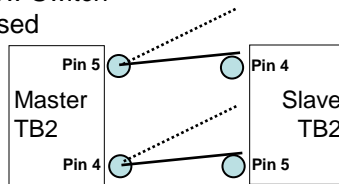
- Connect **Master** TB3 Pin 7 to **Slave** TB2 Pin 2
- Connect **Master** TB3 Pin 8 to **Slave** TB2 Pin 1

Alarm Reset Switch

Use Double Pole / Single Throw Switch

Switch should be normally closed

Connect as follows:



Home and Away Triggers:

1. To place both systems into the AWAY mode

- Press AWAY key on **Master** keypad
- Master valve cycles, display reads AWAY
- Slave valve cycles, display reads EXT.AWAY

2. To place both systems into the HOME mode

- Press HOME key on **Master** keypad
- Master display reads HOME
- Slave display reads HOME

Alarm Interconnects:

Alarm Output from TB3 – PINS 3&4 (Water Off)

The output is Normally OPEN and Closes when water is off

Home / Away Arming – Use Master keypad TB2- PINS 1&2

Leak Event Behavior and Clearing Leak Alarms:

1. Master System detects flow-timer violation (leak alarm)

- Master system closes valve
- Master system output triggers Slave valve closure
- Master display reads LEAK - Slave display reads EXT. LEAK

2. Slave System detects flow-timer violation (leak alarm)

- Slave system closes valve
- Slave system output triggers Master valve closure
- Slave display reads LEAK - Master display reads EXT. LEAK

3. Clearing Alarms

- Press DISABLE key on both Master and Slave to silence beepers
- Open DPST switch (pushbutton or rocker switch)
- Press HOME key on system displaying LEAK (1st valve opens)
- Press HOME key on system displaying EXT LEAK (2nd valve opens)
- Close DPST switch (release pushbutton or rocker switch)

Interconnecting via External Alarm / Automation System

Master – Slave – External System Connections

1. **LEAK ALARM to External System**
 - a. Connect **Master** TB2 Pins 3 & 4 to **External System** Water Alarm Input (Normally open)
 - b. Connect **Slave** TB2 Pins 3 & 4 to **External System** Water Alarm Input (Normally open)
2. **AWAY Trigger from External System**
 - a. Connect **Master** TB2 Pins 1 & 2 to **External System** Normally Open Contacts - Close When AWAY
 - b. Connect **Master** TB3 Pin 8 to **Slave** TB2 Pin 1
3. **External System Leak Alarm Output to EXT LEAK**
 - a. Connect Form C (normally open) relay from External System to both Master and Slave TB2 Pins 5 & 6
 - b. Program relay to close upon leak alarm from FloLogic
 - c. Relay should open when alarm cleared at External System

Home and Away Triggers:

1. To place both FloLogic systems into the AWAY mode
Arm External System to Away Mode
2. To place both FloLogic systems into the HOME mode
Disarm External System

Leak Event Behavior and Clearing Leak Alarm:

1. When the first FloLogic System alarms, its valve will close and the display will read LEAK
2. The External System will receive a contact closure from that FloLogic LEAK ALARM output
3. The External System will close its leak alarm contacts to the EXT LEAK input on the second FloLogic System
4. The second FloLogic System valve will close and the display will read EXT LEAK
5. To restore water service, clear the External System alarm, press DISABLE then HOME keys on each FloLogic

