

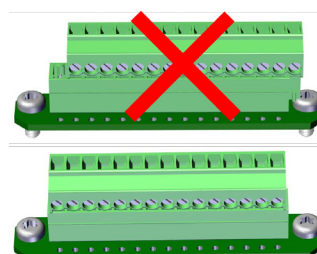
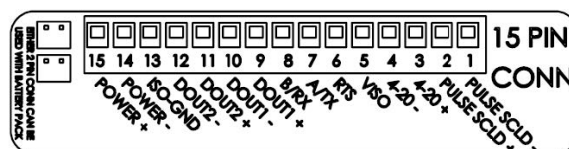


Wiring

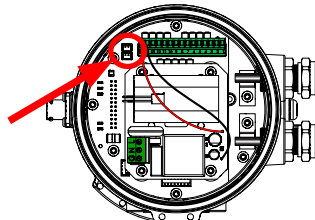
On the back of the meter, unscrew the black user access lid and remove it. Remove the 15 pin screw connector from its bag. Install the wires through the cable ports into the 15 pin screw connector in their respective locations. Plug the 15 pin screw connector into its socket. **Be sure all pins align properly and that the connector has not slipped to one side.** Refer to the complete manual for further details. (C1 = power/output cable, AC = AC power cable)

Black (C1) Modbus A/TX: pn7
Brown (C1) Modbus B/RX: pn8
Yellow (C1) Modbus Gnd: pn13
Black (Internal): pn14
Red (Internal): pn15
Blue (C1) 4-20mA-: pn4
Orange (C1) 4-20mA+: pn3
Green (C1) Pulse+: pn2
White (C1) Pulse-: pn1

Black (Line)
White (Neutral)
Green (Ground)



Be sure all pins align properly and that the connector has not slipped to one side.



Plug the backup battery cable into either of the two connectors to the left of the 15 pin connector.



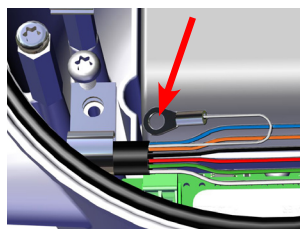
WARNING: BACKUP BATTERIES ARE NOT INTENDED AS A PRIMARY POWER SOURCE



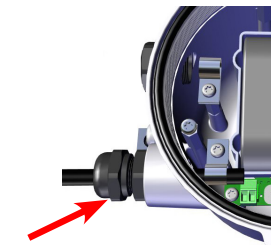
WARNING: Improper sealing of glands or cables will invalidate any warranty. If plugs or cable glands are removed, reinstall using Teflon pipe sealant, or tape, to ensure maximum moisture protection.



Remove plug & o-ring. Insert cable gland/strain relief. Feed cable through cable gland.



Clamp cable with strain relief clips. Attach drain wire lug to bracket post.



CRITICAL!
Torque cable gland sealing nut to 22 in-lbs.

Refer to the **Mechanical Quick Start Guide** or the complete instruction manual for details on mechanical installation.

Menu System

1.2345678
100
FORWARD TOTAL

TOTAL
CU FT
X1000
RATE
GPM



The HOME Screen displays flow volume, direction of the flow total and flow RATE along with status conditions such as Empty Pipe. Two buttons below the LCD display are used to access menu screens for viewing and changing meter setup parameters.

These two buttons are light sensors which can detect when a finger is covering them. Only three button touch actions are needed to control navigation through the menus, settings changes and back to the home screen.



HORIZONTAL SCROLLING:

Tap right-hand button to scroll horizontally through menu tabs or move horizontally within a tab dialog when applicable.



SELECT: Tap left-hand button to change a highlighted item within a tab dialog.



ENTER/EXIT: Hold left button while tapping right button once to enter or exit a tab dialog or to navigate between the HOME and other menu screens.

All menu screens consist of two rows of tabs surrounding a dialog box that lets you view and change setup parameters. To enter the Menu System perform the hold and tap sequence.



Changing Settings

T UNIT

View or change TOTAL volume units

T UNIT R UNIT SET P DAMP

TOTAL = GALLONS

PRESS ▲ + ► TO SET TOTAL UNITS FOR DISPLAY

SET 4 SET 20 SET F EXIT

R UNIT

View or change flow RATE units

T UNIT R UNIT SET P DAMP

FLOW RATE = GALLONS/MIN

PRESS ▲ + ► TO SET RATE UNITS FOR DISPLAY

SET 4 SET 20 SET F EXIT

Set P

View or change pulse output scaling

T UNIT R UNIT SET P DAMP

00001.0 GALLONS

PRESS ▲ + ► TO SET GALLONS TOTALIZED PER PULSE SENT OUT PULSE1

SET 4 SET 20 SET F EXIT

DAMP

View or change # of samples for rolling average.

T UNIT R UNIT SET P DAMP

DAMPING = 1

PRESS ▲ + ► TO SET DAMPING VALUE

SET 4 SET 20 SET F EXIT

SET 4

View or change flow rate corresponding to 4mA

T UNIT R UNIT SET P DAMP

00040.0 GALLONS/MIN

PRESS ▲ + ► TO SET FLOW RATE AT WHICH 4mA (MIN) OUTPUT IS DESIRED

SET 4 SET 20 SET F EXIT

SET 20

View or change flow rate corresponding to 20mA

T UNIT R UNIT SET P DAMP

00200.0 GALLONS/MIN

PRESS ▲ + ► TO SET FLOW RATE AT WHICH 20mA (MAX) OUTPUT IS DESIRED

SET 4 SET 20 SET F EXIT

EXIT

Return to HOME SCREEN or enter SUBMENU

T UNIT R UNIT SET P DAMP

PRESS ▲ + ► EXIT MENU AND RETURN TO FLOW DISPLAY

SET 4 SET 20 SET F EXIT

The EXIT tab in the MAIN MENU has a second function. If you tap ▲ five times, you will be redirected to a SUBMENU screen from which you can access additional options.

Modbus is a registered trademark of Schneider Electric.

INFO: Meter model, serial number, firmware version

COMM: Modbus® baud rate and parity

MBID: Modbus® address