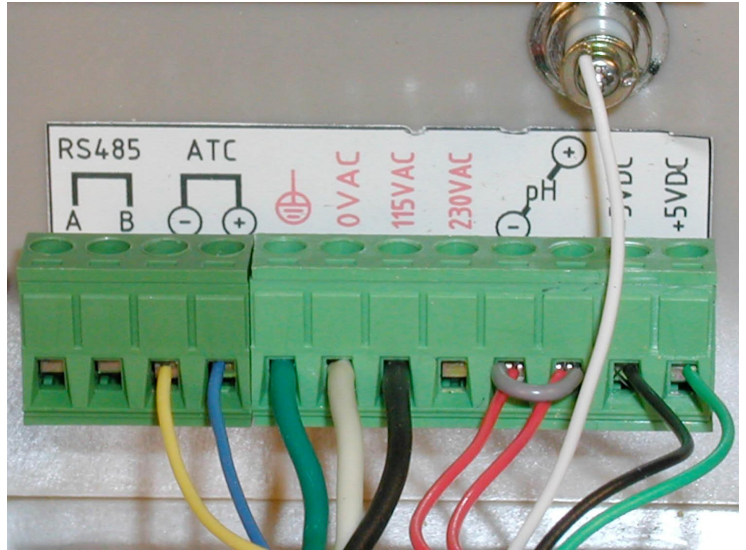
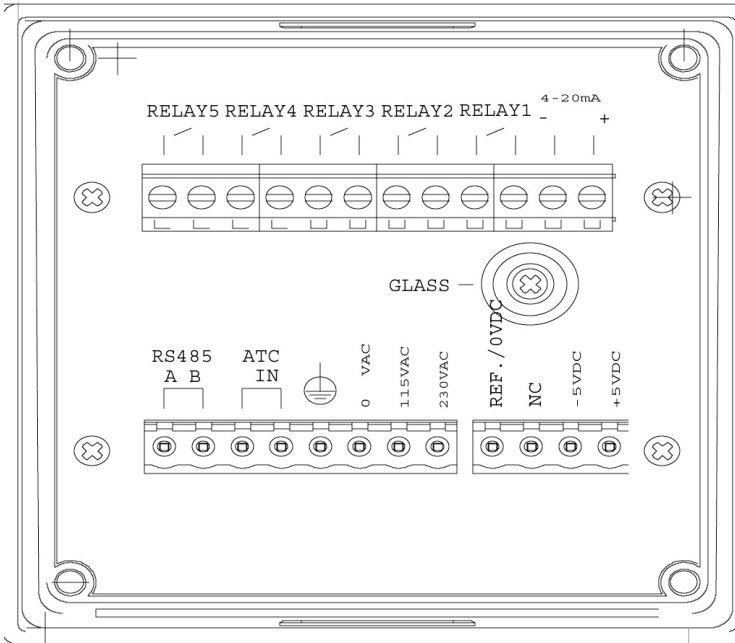


Connection Diagram of Iotron™ Sensors with Preamplifiers to ASTI 4TX pH / ORP Transmitter & Controller

Connection from Iotron™ Sensor to Terminal Block on back of Transmitter (READ CAREFULLY)

<u>Cable Color Coding</u>	<u>Sensor Cable Lead Value</u>	<u>Terminal Label As given on Meter</u>	<u>Terminal Value (See Diagram Below)</u>
Blue	TC Input	ATC (-)	ATC IN (No Polarity)
Yellow	TC Input	ATC (+)	ATC IN (No Polarity)
Red	Reference Input	pH (-)	Reference
Red	Reference Input	There no label on meter for this terminal connection	NC (Common)
White	pH/ORP Input (Signal)	pH (+)	Glass
Black	- 5V	- 5 VDC	-5 VDC
Green	+ 5V	+ 5VDC	+5 VDC



Note 1: Temperature Compensator is either a 3000 Ohm Balco or 1000 Ohm Platinum Element. You must set this TC Value in the Calibration Mode (if not preconfigured). Use Code: **rES** for the AtC setting if a 3000 Ohm Balco Resistor is present or use Code: **Pt** for the AtC setting if a 1000 Ohm Platinum Element is present

Note 2: The Temperature Compensator element employed can be determined by measuring the resistance between the blue and yellow wires on any multimeter (in Ohms).

Note 3: Reference {pH (-)} and NC (Common) terminal must be jumpered together if a preamplifier is used.

Note 4: Your first pH buffer value must be 7.00 or 6.86! The second pH buffer value can be 4.01 or 10.00 if starting with pH buffer 7.00 as the pH buffer 1. The second pH buffer value can be 4.01 and 9.18 if starting with pH buffer 6.86 as the pH buffer 1. Consult the operation manual for further calibration and power hook-up details.