Technical Assistance: *(800)257-5911 or (215)766-2670*
Email: info@scaletronscales.com

AccuPro-6000™ Measurement System Quick-Start Installation Guide

The AccuPro-6000™ Measurement System is comprised of a Control-Panel and Scale-Base subsystem. This Quick-Start Guide describes the steps necessary to prepare and install the Control-Panel subsystem.

IMPORTANT

- ***The Control-Panel is a precision instrument that has been functionally tested and programmed to a specified Scale-Base at the factory.***
- ***The installation procedure requires that internal circuitry be accessed. All precautions must be taken to prevent unwanted Electro-Static Discharge events with the equipment.***
- ***All safety precautions need to be observed for safe operation.***
- ***Disconnect main power to the Control-Panel before making any wiring connections.***
- ***Failure to operate this equipment as instructed can result in damage to the equipment and possibly cause personal injury.***
- ***Any equipment damage resulting from improper operation or non-adherence to these, and all requirements will not be considered for warranty coverage.***
- ***Reference AccuPro-6000™ Measurement System Operator Manual for additional details.***
- ***It is recommended that the Control-Panel be operated in a manner that protects it from being soaked with liquids or exposed to extreme weather conditions. If the system is to be located outdoors, make sure not to exceed the operational temperature range and be covered to protect the indicator from the elements.***

Step 1: Carefully unpack all parts from the box and inspect for visual damage. ***Report any shipping damage to the carrier***.

Step 2: Refer to Scale Base installation instructions and complete scale base installation, then proceed to step 3.

Step 3: Take care to identify the location of the terminal block connections to determine the optimal cable-routing arrangement ***before*** drilling holes in the enclosure for the Scale-Base fittings or conduit. Be careful when drilling holes to avoid any damage to internal components or cabling.

Step 4: All drilled holes ***MUST*** be sealed to prevent both liquids and gasses from penetrating the enclosure and damaging the electronics. It is recommended that all fittings be liquid-tight and 4X NEMA rated, and any gaps be filled with silicon-based caulk to seal the opening and eliminate exposure.

Step 5: Connect the load-cell wires from the scale base to the respective terminal block strip (T1/2) *(SEE PAGE 3-5 FOR CONNECTION INFORMATION):*

- Green: (+) Signal
- White: (-) Signal
- Red: (+) Excitation Voltage
- Black: (-) Excitation Voltage
- Violet: Shield

Step 6: ***If equipped with spill sensor (PN: 4042SA/4042-SAL),*** connect wires from the spill sensor to the spill sensor terminal block strip *(SEE PAGE 3-5 FOR CONNECTION INFORMATION):*

- Black: N.O
- White: COM

Step 7: ***If equipped with options:*** take care to identify the location of the relay modules to determine the optimal cable-routing arrangement ***before*** drilling holes in the enclosure for the fittings or conduit. Be careful when drilling holes to avoid any damage to internal components or cabling. Connect applicable wires to the relay terminal blocks. *(SEE PAGE 3-5 FOR CONNECTION INFORMATION):*

- NO: Normally-Open Contact
- COM: Common Contact
- NC: Normally-Closed Contact

Step 8: Connect to the 4-20mA output connection terminal strip (T3): take care to identify the location of the terminal strip to determine the optimal cable-routing arrangement ***before*** drilling holes in the enclosure for the fittings or conduit. Be careful when drilling holes to avoid any damage to internal components or cabling. Connect the applicable wires using the following code. *(SEE PAGE 3-5 FOR CONNECTION INFORMATION):*

- (+): Signal (+) 4-20mA Net Weight
- (-): Signal (-) 4-20mA Net Weight

Step 9:

Step 10: Secure the Control-Panel cover by closing the latch and installing (4) screws located at the corners.

Mount the Control-Panel to a wall using the four holes in the corner flanges of the enclosure. It should be mounted at operational level and away from the floor. Though the enclosure is 4X NEMA rated, it is not designed to withstand wash-down procedures nor chemical contact beyond accidental exposure. Avoid direct contact with chemicals or regular soaking of water as it may cause substantial damage to the electronics. Connect main power to the AccuPro-6000™ Measurement System.

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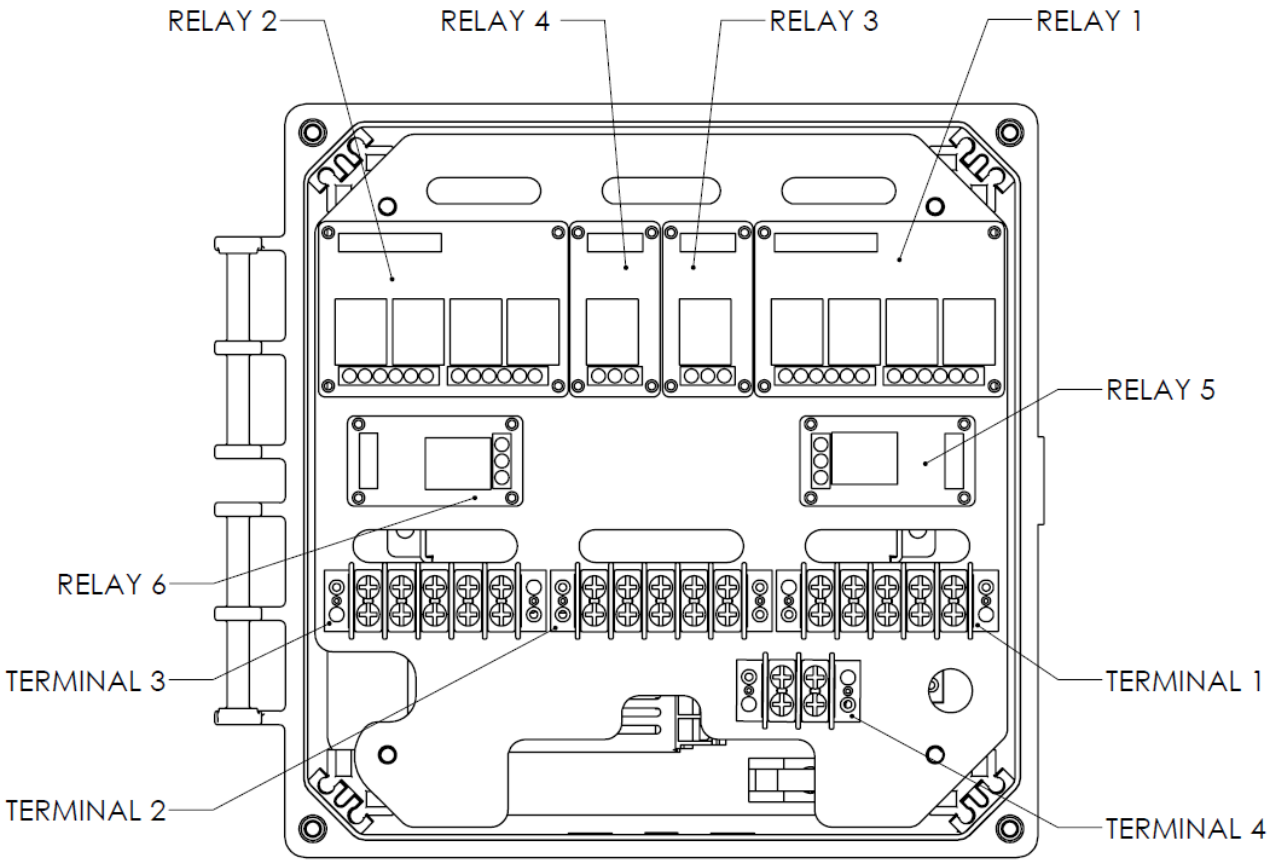

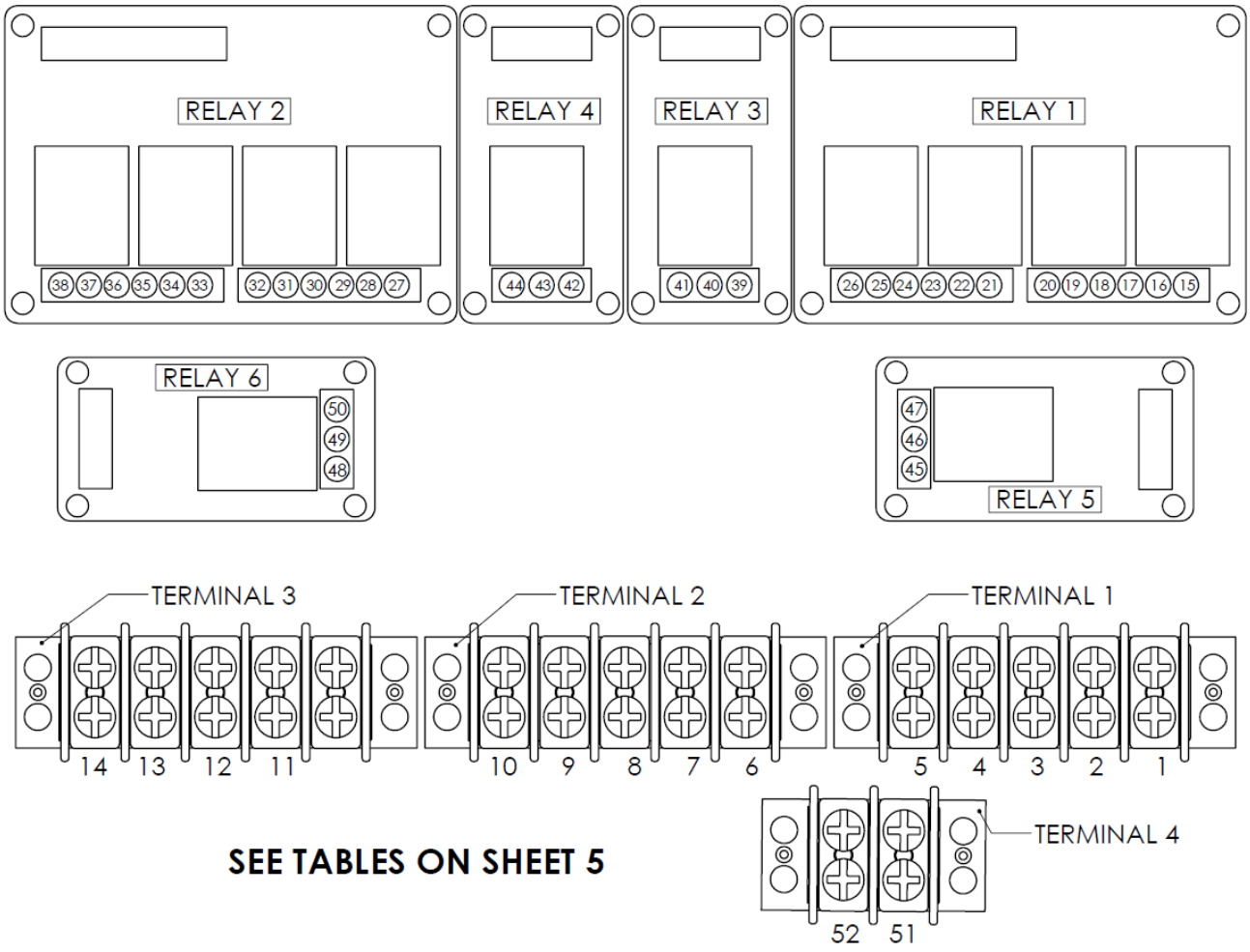

SEE TABLES ON SHEET 5

Relay 1	CH1 Wt Setpoints	SP #
15	NC1	1
16	COM1	1
17	NO1	1
18	NC2	2
19	COM2	2
20	NO2	2
21	NC3	3
22	COM3	3
23	NO3	3
24	NC4	4
25	COM4	4
26	NO4	4
Relay 2	**CH2 Wt Setpoints**	**SP #**
27	NC1	1
28	COM1	1
29	NO1	1
30	NC2	2
31	COM2	2
32	NO2	2
33	NC3	3
34	COM3	3
35	NO3	3
36	NC4	4
37	COM4	4
38	NO4	4

Relay 3	External Buzzer
39	NC
40	COM
41	NO
Relay 4	**Alarm Active Relay**
42	NC
43	COM
44	NO
Relay 5	**Weight SP Active**
45	NC
46	COM
47	NO
Relay 6	**Max Net Weight**
48	NC
49	COM
50	NO

Terminal 1	Ch1 Base	Inputs
1	SHD	Shield
2	E+	Excitation (+)
3	S+	Signal (+)
4	S-	Signal (-)
5	E-	Excitation (-)
Terminal 2	**Ch2 Base**	**Inputs**
6	SHD	Shield
7	E+	Excitation (+)
8	S+	Signal (+)
9	S-	Signal (-)
10	E-	Excitation (-)
Terminal 3	**4-20 mA Out**	**Outputs**
11	S-	CH1 Net Wt (-)
12	S+	CH1 Net Wt (+)
13	S-	CH2 Net Wt (-)
14	S+	CH2 Net Wt (+)
Terminal 4	**Leak Detector**	**Inputs**
51	In 1	COM
52	In 2	NO