



Station Controller SC1000 or SC2000

Application Note For Performing Level Control Using Float Switches Connected To Level Probe Inputs

Example A

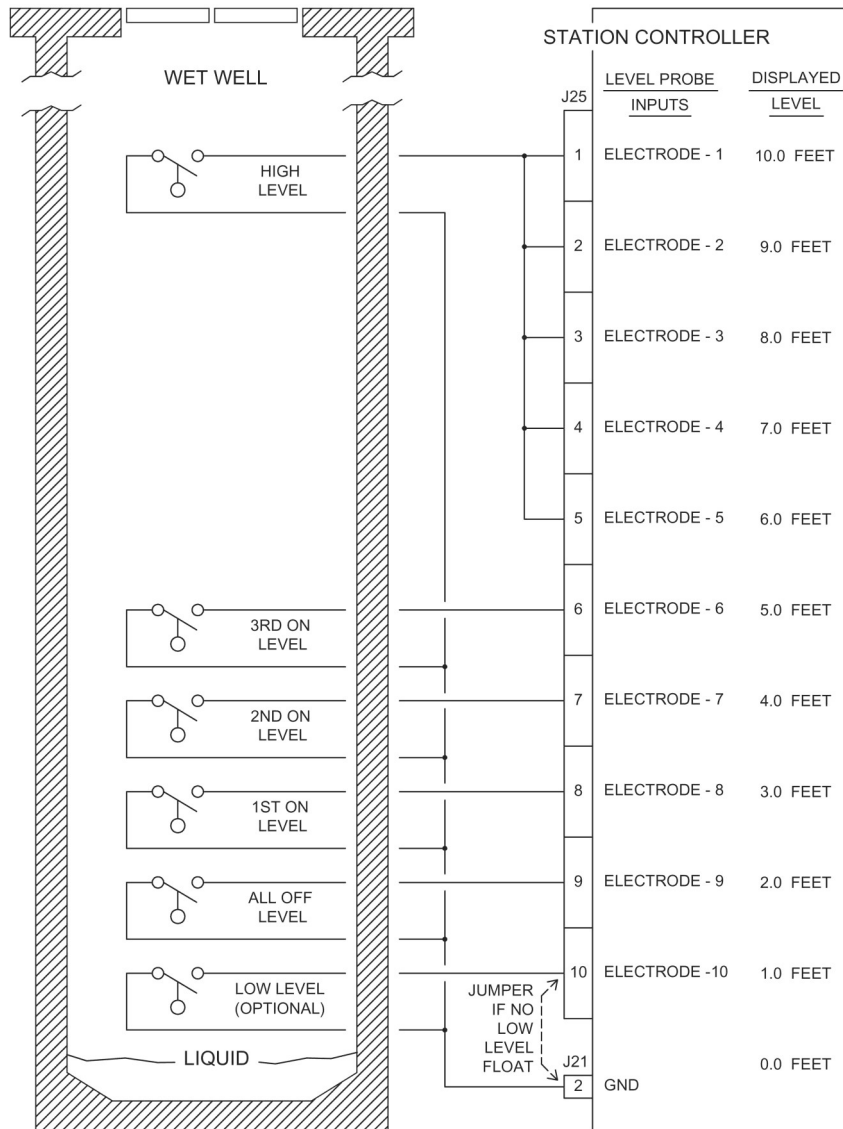
This application note shows how to connect and setup the SC1000 or SC2000 to perform level control using Float Switches as a substitute for a Level Probe.

The Pump On/Off Level settings must be set to values that correspond to the Electrode Inputs that the Float Switches are connected to. See the settings below.

The application will determine the actual placement of the Float Switches.

While the Level Display will not show the actual liquid level, it will show the rise and fall of the liquid level.

The following is given as an example:



This Example Requires the Following Settings:

Parameter	Setting
F.19	2
F.20	12 inches
F.22	100
High Level Alarm	10.0 feet
3rd Pump On Level	5.0 feet
3rd Pump Off Level	1.0 feet
2nd Pump On Level	4.0 feet
2nd Pump Off Level	1.0 feet
1st Pump On Level	3.0 feet
1st Pump Off Level	1.0 feet
Low Level Alarm	0.0 feet

Note:

The Controller's displayed level is derived by counting how many Electrodes are covered.

Therefore, any unused Electrode Input must be connected to the next higher Float Switch.

Note: The Levels shown above are what is shown on the Controller, not the actual level. The actual location of the float switches in the wet well must be as the application requires.



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Example B

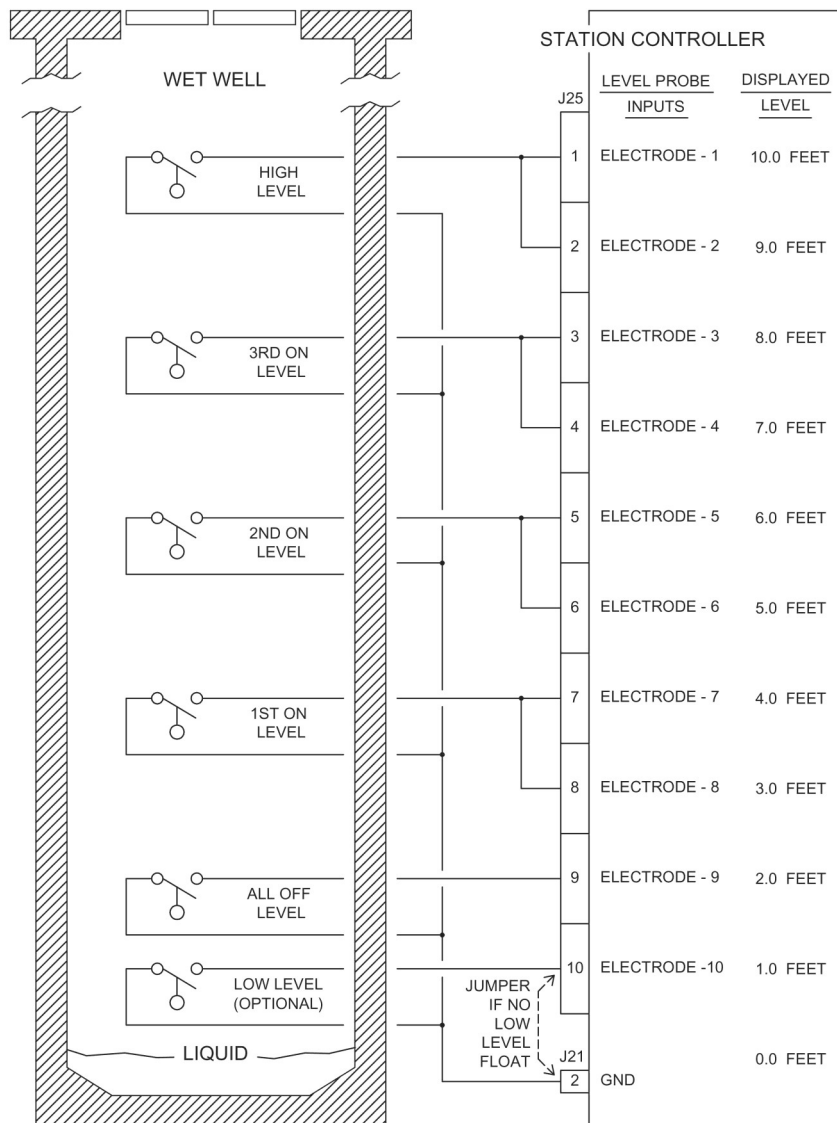
This application note shows how to connect and setup the SC1000 or SC2000 to perform level control using Float Switches as a substitute for a Level Probe.

The Pump On/Off Level settings must be set to values that correspond to the Electrode Inputs that the Float Switches are connected to. See the settings below.

The application will determine the actual placement of the Float Switches.

While the Level Display will not show the actual liquid level, it will show the rise and fall of the liquid level.

The following is given as an example:



This Example Requires the Following Settings:

Parameter	Setting
F.19	2
F.20	12 inches
F.22	100
High Level Alarm	10.0 feet
3rd Pump On Level	8.0 feet
3rd Pump Off Level	1.0 feet
2nd Pump On Level	6.0 feet
2nd Pump Off Level	1.0 feet
1st Pump On Level	4.0 feet
1st Pump Off Level	1.0 feet
Low Level Alarm	0.0 feet

Note:

The Controller's displayed level is derived by counting how many Electrodes are covered.

Therefore, any unused Electrode Input must be connected to the next higher Float Switch.

Note: The Levels shown above are what is shown on the Controller, not the actual level. The actual location of the float switches in the wet well must be as the application requires.