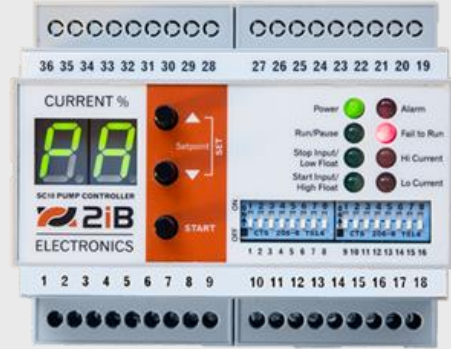


# SC10 Single Pump Controller

## DIP Switch Setup

### For Switchboard Manufacturer



This is a quick guide to DIP Switch Setup on the SC10 when building a starter panel. These are suggestions for a starter panel for common dewatering pumps. The starter is primarily for Snore control, but optionally with support for floats.

Leave the DIP Switches at their Default Settings except for the following...

### Current Range

Set the current range for the CT so that the Pump's Rated Current is towards the high end of the measurement range.

**Jumpers on the CT:** If the CT has range-setting jumpers, change it there first.

**DIP Switches 1 & 2 on the SC10:** These allow you to reduce the range of the measurement.

#### Current Range

SW	1	2	Setting
	Off	Off	100% (default)
	Off	On	50%
	On	Off	25%
	On	On	12.5%

### 22kW Starter for 8kW & 20kW Flygt Pumps (1kV)

Pump Model	Rated Current
Flygt 8kW 2125	6.2 A
Flygt 20kW 2151	14A

CT Set to 20A

CT is Dwyer CCT40 with selectable ranges of 10A, 20A, 50A. Set to 20A.



Set Current Range DIP Switches to 100%

#### Current Range

SW	1	2	Setting
	Off	Off	100% (default)

### 37kW Starter for 20kW & 37kW Flygt Pumps (1kV)

Pump Model	Rated Current
Flygt 20kW 2151	14A
Flygt 37kW 2201	26 A

CT Set to 50A

CT is Dwyer CCT40 with selectable ranges of 10A, 20A, 50A. Set to 50A.



Set Current Range DIP Switches to 100%

#### Current Range

SW	1	2	Setting
	Off	Off	100% (default)

To use with an 8kW & 20kW Pumps it would be best to set the CT to Mid (20A) Range.

## Low Float Switch

### Option 1: For No Stop Switch or Float

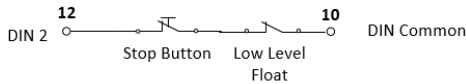
Use this DIP Switch Setting

Stop / Low Float Invert		
SW	10	Setting
Off		Closed = Low

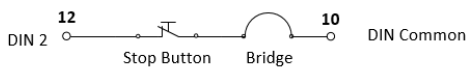
### Option 2: Normally Closed Stop Button

For this configuration:

When Float is Connected



When Float is NOT Connected



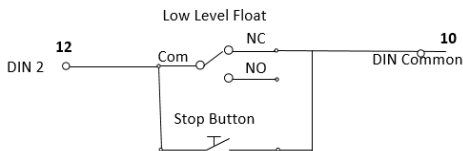
**Bridge the Low Float when not in Use.**

Use this DIP Switch Setting

Stop / Low Float Invert		
SW	10	Setting
On		Open = Low

### Option 3: Normally Open Stop Button

For this configuration:



**No Need to bridge the Low Float when not in Use.**

Use this DIP Switch Setting

Stop / Low Float Invert		
SW	10	Setting
Off		Closed = Low

## Default DIP Switch Settings

Usually all DIP switches can be left as default except as detailed above. See Installation and Operation Manual for details.

Function	Current Range		Run Time Target			Alarm Relay				Stop / Low Float Invert	Stop Current Window				Disable Snore Stop	Disable Timer Start
No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
State	Off	Off	Off	Off	On	Off	Off	Off	Off	Off	Off	Off	Off	On	Off	Off
Value	100%		5 min			No alarms				Closed = Low / Stop Pump	+2%				Snore Stop Enabled	Timer Start Enabled