

SC400

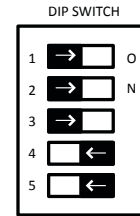
Installing the 76951-6011 Ultrasonic Level Switch (for Autofill)



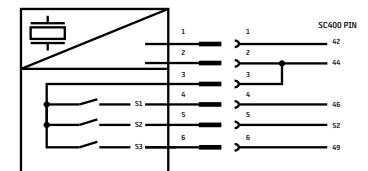
ULTRASONIC LEVEL SWITCH:
WIRING for AUTOFILL

Installation / Setup:

1. **Program level activation points (A1, A2, A3).** For details, see level switch Instruction sheet. (This step is only required if the level switch was delivered "loose")
2. **Set DIP switches 1, 2, and 3 to the ON position.** 4 and 5 should remain OFF.
3. **Wire level switch to SC400,** per drawing (at right).
4. **Set SC400 parameters:**
 - a. ENGINEERING: iLOWLEVEL POLARITY = Alarm when closed.
 - b. OPERATOR: AUTOFILL PUMP = enabled
 - c. OPERATOR: AF (autofill) TIME OUT TIME = 0.5 x "time to fill reservoir" (customer to estimate)



CONNECTION DIAGRAM:




Operation: Autofill Sequence

- Whenever reservoir level falls below point **A3**, fill pump will be activated.
- Fill pump will stop when any of the following occurs:
 - a. Fill pump has operated for a specified period of time (AF TIME OUT TIME, customer setting within operator parameters).
 - b. Level **A2** is reached
 - c. Level **A1** is reached

Alarms:

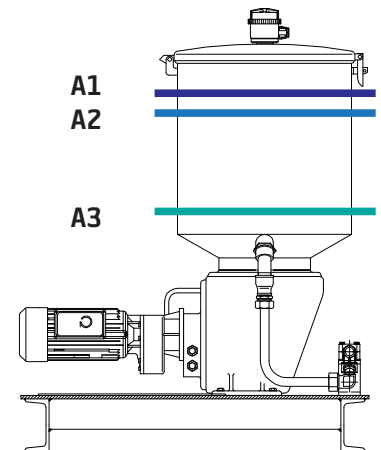
High Level Warning - Occurs whenever level **A1** is reached. Autofill ceases and SC400 Warning signal is activated. Lubrication will proceed normally. Once level is below **A1**, the alarm will automatically reset.

Autofill Failure - Indicates Autofill pump (barrel or equivalent) is empty. This failure occurs (during fill pump operation) if the reservoir fluid level remains below **A3** for an extended period of time. Time is the lesser of:

- a. Five (5) minutes, or
 - b. AF TIME OUT TIME (if less than 5 minutes).
- Recovery requires reset by customer ( or external "JOG" button).
Reset will restart fill pump and re initialize lubrication.

ULTRASONIC LEVEL SWITCH:

Wiring for AUTOFILL



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