RELAY OUTPUT

1. GENERAL OPERATION

When PCB terminals LS1 switch state, an alarm is given and the relay switches its state. Pressing the silence button the Buzzer is silenced and the relay resets.

2. OPERATING MODES

Other behaviors are available available by removing jumpers A,B,C,D, as given in the chart below.

| JUMPER	FUNCTION	JUMPER ON PINS	JUMPER OFF PINS
A	RELAY RESET	AUTO	MANUAL (MUST PUSH BUTTON)
B	SNOOZE	30 MINS	NO SNOOZE
C	RELAY ORIENTATION	NORMALLY CLOSED	NORMALLY OPEN
D	FLOAT ORIENTATION	N.C.	N.O.

A Relay reset. With the jumper on, the relay will reset itself when the alarm condition has been corrected. In some situations it may be desirable to require the button to be pushed in order to reset the relay.

B The snooze alarm ensures that the buzzer isn't silenced and then forgotten. After 30 minutes of silence the buzzer will sound again.

C Sets the relay state when there is no alarm condition. Jumper on the pins = closed relay.

D Removing the jumper reverses the logic so a low level alarm becomes a high level alarm. The float is normally a "closed" circuit under "non-alarm" conditions. If there there is a level excursion that causes an "open" circuit will produce an alarm. Removing the jumper reverses the logic so a low level alarm becomes a high level alarm.

3. POWER

• Plug in your device to be controlled into the female side of the piggyback plug. Your device will be switched on or off according to the state of the level alarm.

• Power to operate the circuit board is drawn from the piggyback plug. (40mA if relay N.C.)

• The maximum load of your device is 15A@120V. Be aware that 3/4HP motors draw 13.8A but, depending on the motor and application, the startup surge may blow the 15A fuse on the PCB.

4. NOTES

• If there is no alarm, the pushbutton tests the alarm, buzzer, and relay.

• The relay is a N.O. relay so if power fails it will revert to an open circuit.

• Terminal LS3 is N.C, and must have a jumper installed or an alarm will be given.
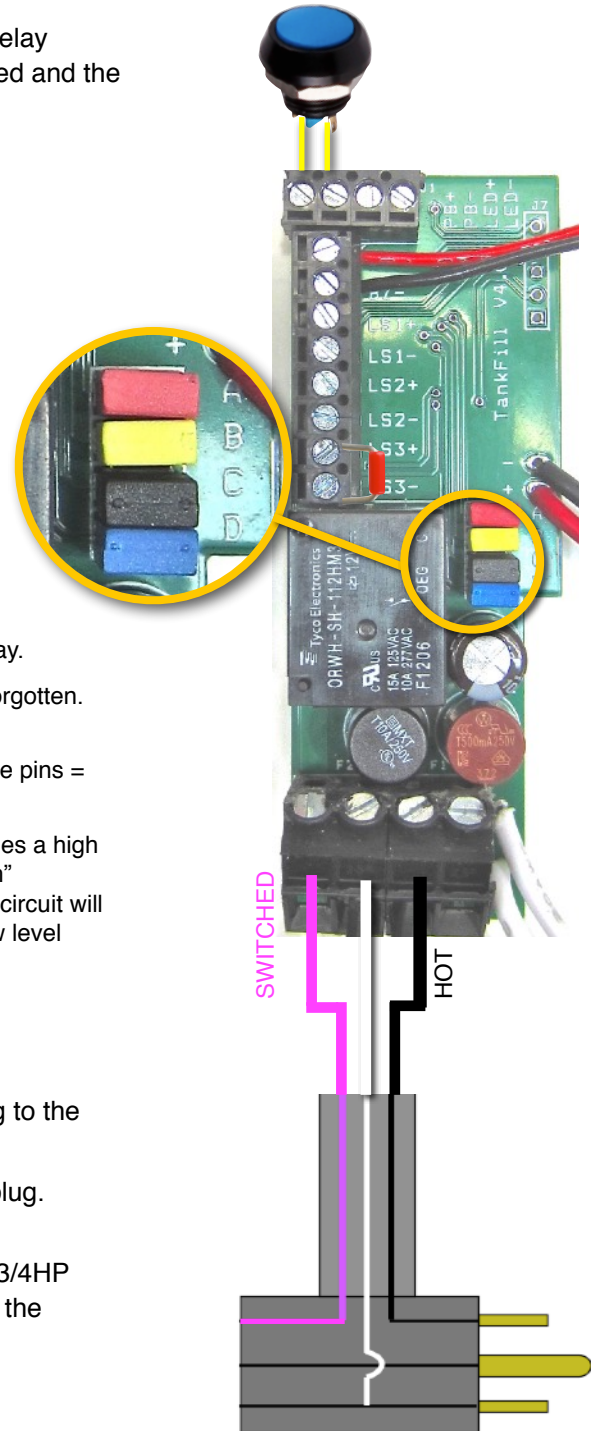
PIGGYBACK PLUG SCHEMATIC

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• LS2 terminals are not used with this firmware version DA_V40_08_01X

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