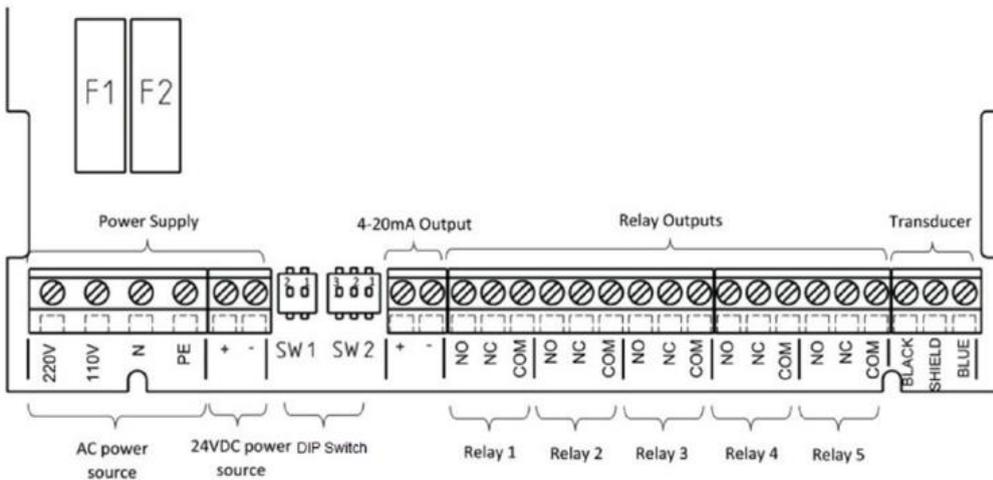


# OI\_LST400\_Terminals Description

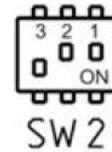
## - with Wiring Suggestions



### Terminal Connections



- Active Current Output Mode (do not need external power supply):  
SW2 CH 1&2ON, CH3 OFF;
- Passive Current Output Mode:  
SW2 CH 1&2 OFF, CH3 ON (need external power supply);

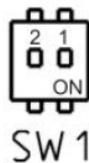


Power supply (PWR Supply)

### DIP Switch (SW1 & SW2)

#### DIP SW1:

- AC Power Source (220VAC/110VAC):  
SW1 CH1&2 OFF;
- DC Power Source (24VDC):  
SW1 CH1&2 ON;



#### DIP SW2:

**Note:** Do not connect more than one power supplies at the same time.

- LST400 can be powered by 220VAC, 110VAC or 24VDC. Follow below connections for different powers.

#### 220VAC Connection:

- Connect '220V' Terminal with LIVE, connect 'N' Terminal with NEUTRAL and connect 'PE' Terminal with Earth.

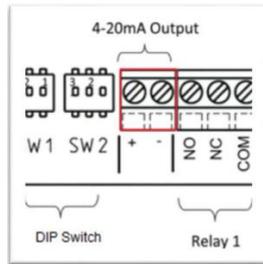
#### 110VAC Connection:

- Connect '110V' Terminal with LIVE, connect 'N' Terminal with NEUTRAL and connect 'PE' Terminal with Earth.

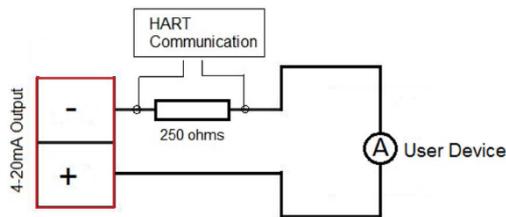
#### 24VDC Connection:

- Connect '24VDC + / -' Terminals with 24V DC, connect 'PE' Terminal with Earth.

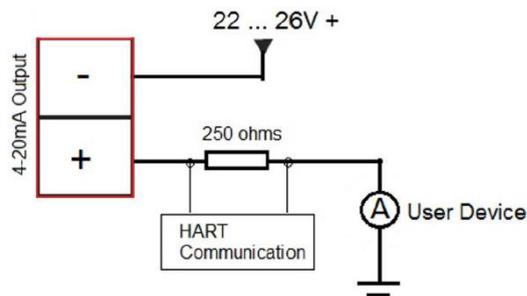
## Active/ Passive Current Output Mode (4-20mA, including HART Communication)



### Active Mode:



### Passive Mode:



**Note:** If SW2 is set as Passive Mode, the polarity is opposite as shown in figure above.

## Relays (Relay Output)

- Max. 5 relays can be set for LST400 (Relay 1-5)
- Type: 1 Form C (Changeover)
- Rating: 12A@250VAC;
- Functions: pump control output, alarms, etc.

**Note:** If SW2 is set as Passive Mode, the polarity is opposite as shown in figure above.

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- Type: 1 Form C (Changeover)
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- Functions: pump control output, alarms, etc

## Transducer (Transducer)

- Connect 'BLACK' with the black wire, which is for temperature signal.
- Connect 'SHIELD' with shield, which is for common ground of both signal wires.
- Connect 'BLUE' with blue wire, which is for measurement signal.

## Fuses (F1 & F2)

- Fuses can only be replaced by a trained electrical technician if broken.
- Fuse specifications:  
F1: 250VAC 50mA time lag  
F2: 250VAC 80mA time lag