

## MAINTENANCE & SERVICE

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QUICK START GUIDE



This quick start guide provides information regarding installation of the **DRE-MAX™ SMART CONTROLLER**. Refer to the user manual for more information regarding software setup and operation. You may find the user manual on our website at: <https://cimarron.com/dre-max/>

## 1 MOUNTING THE DRE-MAX™

The device is intended to be mounted in line with the wiring conduit. [NOTE: Mounting specifics are left to the user given the wide ranging of configuration of end equipment.]

**THE FOLLOWING TABLE PROVIDES TERMINAL INFORMATION AND DESCRIPTIONS OF EACH PORT.**

PORT	TERMINAL	DESCRIPTION
POWER	IN+	Input power positive terminal, nominally 12V or 14V
	GND	Input power negative (ground) terminal.
PWR/LED SWITCH	RJ45	Connection to power switch and external LED.
	RET	4-20mA input signal return.
	IN	4-20mA input signal sink.
ADC 2	PWR	Power for loop power transducer.
	RET	4-20mA input signal return.
	IN	4-20mA input signal sink.
LP	PWR	Power for loop power transducer.
	RET	Low Pressure transducer 4-20mA input signal return.
	IN	Low Pressure transducer 4-20mA input signal sink.
HP	PWR	Power for loop power transducer.
	RET	High Pressure transducer 4-20mA input signal return.
	IN	High Pressure transducer 4-20mA input signal sink.
VFD	OUT	4-20mA output signal source to variable frequency drive.
	RET	4-20mA output signal return from variable frequency drive.
OUT(0)	OUT	DAC1 4-20ma output signal source.
	RET	DAC1 4-20ma output signal source.
OUT(1)	OUT	DAC1 4-20ma output signal source.
	RET	DAC1 4-20ma output signal source.
ALARM	OUT	Isolated Alarm input sink.
	RET	Isolated Alarm input return.
RS485 IN	B	RS485 B Signal
	A	RS485 A Signal

## 2 WIRING THE DRE-MAX™

### NOTICE

The **DRE-MAX™** must be wired according to the directions provided in this guide, and in compliance with the specifications of the operating company, as well as local codes, state and federal laws and regulations.

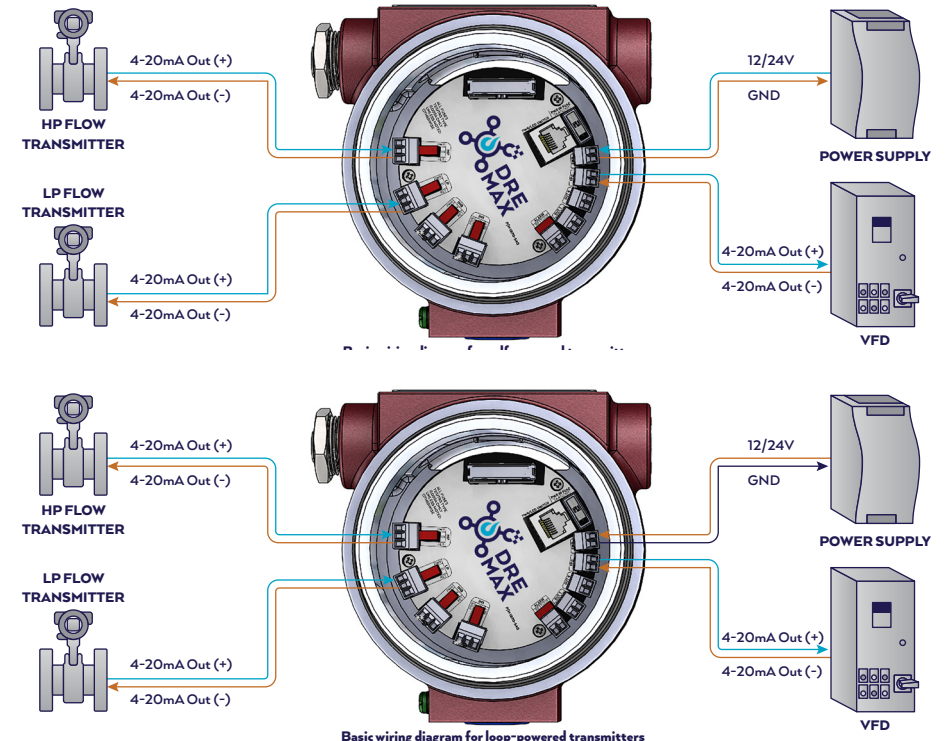
### GUIDELINES

- Do not use solid core wire/cables
- Do not use wires larger diameter than 18 AWG for the device terminal plugs

### RECOMMENDATIONS

- Twisted pair cable is strongly recommended
- It is strongly recommended to route 4-20mA signals together and away from power
- It is strongly recommended to route power cable together and away from signal lines
- Ferrule terminations is strongly recommended to stranded wires/cables

The following are basic wiring diagram:



Basic wiring diagram for loop-powered transmitters