



Metering Pump I/O Connections

The E Series metering pumps use a variety of connections to facilitate the input and output signals to and from the pump.



The EZ Series pumps are controlled manually only and do not have any I/O functionality or connectors.

The EHE Series pumps use terminal blocks that are integral to the pump. Terminal blocks are removable for easy field wiring of the control inputs.



The EK Series pumps use a custom input connector designed to retain the IP67 watertight rating of the pump. This connector is supplied with each pump.

The EW-F Series pumps use two external mini-DIN circular connectors. Connector ONE is used for inputting the digital control follower signal as well as two pump output contacts (synchronous with stroke and STOP). Connector TWO is used for the pump STOP/START input signal and a PRE-STOP input signal. No connectors are supplied with the EW-F series pumps.



The EW-Y Series pumps use three external mini-DIN circular connectors and a square mini-DIN connector. Connector ONE is used for inputting the digital or analog control signals. This connector also has a DC voltage output (often necessary to power a digital device such as a paddlewheel flowmeter). Connector TWO is used for the pump STOP/START input signal and a PRE-STOP input signal. Connector THREE is used for the input connections from a PosiFlow sensor. Connector FOUR (square) is used when connections to one of the two Output relays is needed. Only Connector ONE is supplied with the EW-Y Series pumps.

All of the connectors for the EW-F and EW-Y Series pumps are water-resistant and retain the IP65 rating of the pumps. They are easily field-wired using only a small slotted screwdriver.

CONNECTOR QUICK REFERENCE CHART

EZ Series	No Connections	N/A	
EHE Series	Terminal Block	Supplied	
EK Series	Custom Connector	Supplied	Pos #4: External Digital Input (+) Pos #5: Start/Stop Input Pos #6: Common
EW-F Series	Connector ONE (Standard Key)	P/N E90495	Pin #1: Voltage In (24VDC) Pin #2: External Digital Input (+) Pin #3: Out 2 (sync w/stroke) Pin #4: Out 1 (Stop Output) Pin #5: Common
	Connector TWO (Reverse Key)	P/N E90494	Pin #1: Start/Stop Input Pin #2: Pre-Stop Input Pin #3: not used Pin #4: Common
EW-Y Series	Connector ONE (Standard Key)	P/N E90495 (Supplied) (w/pump)	Pin #1: Analog Signal Input (+) Pin #2: External Digital Input (+) Pin #3: not used Pin #4: 12VDC Output Pin #5: Common
	Connector TWO (Reverse Key)	P/N E90494	Pin #1: Start/Stop Input Pin #2: Pre-Stop Input Pin #3: not used Pin #4: Common
	Connector THREE (Reverse Key)	P/N E90496	Pin #1: PosiFlow Sensor Input Pin #2: 12VDC Output (PosiFlow) Pin #3: not used Pin #4: not used Pin #5: Common
	Connector FOUR (Square mini-DIN)	P/N E90497	Pin #1: Output 1 (mechanical relay) Pin #2: Output 1 Pin #3: Output 2 (electrical relay) Pin #4: Output 2