

E-Series 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 pumps.



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



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 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 EJ Series pumps use one mini-DIN circular connector for the STOP input and the 1:1 Digital input.



The EWN-R Series pumps use two mini-DIN circular connectors. Connector one is used for the Analog or Digital Inputs, the AUX pump run input and the output relay (synchronous with stroke or STOP). Connector two is used for the pump STOP/START input signal and a PRE-STOP input signal. No connectors are supplied with the EWN-R series pumps.

The EWN-Y Series pumps use three mini-DIN circular connectors and a square mini-DIN connector. Connector one is used for the Analog or Digital Inputs, AUX, Interlock, and Batch Start/Stop. This connector also has Analog Out which is also a DC voltage source (necessary to power a 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 to connect a EFS, FCM or PosiFlow sensor. Connector four (square) has two Output relays. Only Input Connector one is supplied with the EWN-Y Series pumps.



All of the connectors for the E-Series pumps are water-resistant and retain the IP65/67 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	N/A
EHE Series	Terminal Block	Supplied	Pos #4: 12VDC Output (Sensor Power) Pos #5: Analog Input (+) Pos #6: Start/Stop Input Pos #7: External Digital Input Pos #8: Common
EK Series	Custom Connector	Supplied	Pos #4: Digital Pulse Input Pos #5: Start/Stop Input Pos #6: Common
EJ Series	Connector ONE	P/N E90495	Pin #1: Digital Pulse Input Pin #2: Start/Stop Input Pin #3: Common Pin #4: Common Pin #5: not used
EWN-R Series	Connector ONE (Standard Key)	P/N E90495	Pin #1: AUX Input Pin #2: Digital Pulse Input Pin #3: Analog Input (+) Pin #4: Out 1 (SPM or Stop Output) Pin #5: Common
	Connector TWO (Reverse Key)	P/N E90496	Pin #1: Start/Stop Input Pin #2: Pre-Stop Input Pin #3: not used Pin #4: Common
EWN-Y Series	Connector ONE (Standard Key)	P/N E90495 (Supplied) (w/pump)	Pin #1: Analog or Digital Signal Input (+) Pin #2: Analog OUTPUT (-) Pin #3: Pulse, Interlock, Batch, Aux Input Pin #4: Common Pin #5: Analog OUTPUT (+) / 18VDC output
	Connector TWO	P/N E90496 (Reverse Key)	Pin #1: Start/Stop Input Pin #2: Pre-Stop Input Pin #3: Common Pin #4: Common Pin #5: not used
	Connector THREE	P/N E90496 (Reverse Key)	Pin #1: Sensor Signal Input Pin #2: 24VDC Output (Sensor Power) Pin #3: not used Pin #4: Common Pin #5: not used
	Connector FOUR	P/N E90497 (Square mini-DIN)	Pin #1: Output 1 (mechanical relay) Pin #2: Output 1 Pin #3: Output 2 (electrical relay) Pin #4: Output 2