

Single Phase Under/Over Voltage Monitor

The **CV-100** and **200 Series** are **Under/Over Voltage Monitors** combined with short cycle protectors used for **appliance control**. These units employ a user selectable voltage range Set Point switch.

OPERATION

This switch should be positioned to match the line voltage for proper operation. When the line voltage goes below (brown out) or above the preselected operating range, the internal relay drops out removing the plugged-in appliance from these adverse fault conditions. When the voltage returns to the normal operating range, a five (5) minute delay begins. Upon completion, the internal relay picks up allowing the plugged-in appliance to start. LED indicators give an immediate visual reference as to the status of the control. The GREEN LED indicates conditions are normal. When a fault condition occurs the GREEN LED will extinguish and the RED LED will glow. When a fault condition has been corrected, the RED LED will begin to flash. The RED LED will continue to flash until the five (5) minute delay period elapses. At the end of the delay period the RED LED will extinguish and the GREEN LED will glow. When both LED's are extinguished, a total loss of power is indicated.

The **CV-XXX-AFN** Series monitors under voltage only and do not feature LED indicators. They also incorporate the five (5) minute short cycle delay. This style is epoxy encapsulated to protect against adverse environmental conditions.

MODEL NUMBER	SET POINT	VOLTAGE 50/60 HZ	UNDER VOLTAGE DROP OUT	UNDER VOLTAGE PICK UP	OVER VOLTAGE PICK UP	OVER VOLTAGE DROP OUT	OUTPUT RATING RUN	OUTPUT RATING LOCK ROTOR	RECEPTACLE STYLE	WEIGHT
CV-100RS	110	110 VAC	87 VAC	95 VAC	120 VAC	128 VAC	15A	40A		8.5 oz
	120	120 VAC	95 VAC	103 VAC	131 VAC	140 VAC	15A	40A		
CV-200RS-15	230	230 VAC	190 VAC	198 VAC	243 VAC	253 VAC	15A	52A		8.5 oz.
	240	240 VAC	202 VAC	210 VAC	258 VAC	268 VAC	15A	52A		
CV-200RS-20	230	230VAC	190 VAC	198 VAC	243 VAC	253 VAC	20A	72A		8.5 oz
	240	240 VAC	202 VAC	210 VAC	258 VAC	268 VAC	20A	72A		
CV-120-AFN	N/A	120 VAC	95 VAC	103 VAC	N/A	N/A	20A	52A	Not Applicable 1/4" quick" disconnect terminals	8.5 oz.
CV-230-AFN	N/A	230 VAC	190 VAC	198 VAC	N/A	N/A	20A	52A		
CV-240-AFN	N/A	240 VAC	202 VAC	210 VAC	N/A	N/A	20A	52A		