

SYNCHRONIZABLE CURRENT INTERRUPTERS

JR-1



The JR-Series Current Interrupters are computer age successors to the CI-30. The use of a microprocessor plus crystal controlled timing results in a unit which can operate alone or in precise synchronization with any number of other JR units. This feature facilitates measurement of instant-off polarized potentials. The JR-Series is also well suited for use where more traditional current interrupter applications are required.

Cat. #12820

JR-2



Cat. #12830

SPECIFICATIONS:

DISPLAY:

Custom LCD, wide operating temperature range (-4°F to +185°F) with enhanced response time at extremely low temperatures. Large (.7" high) digits plus equipment status annunciators.

LOGIC/RECALL:

8-bit CMOS Microprocessor; EPROM operating system.

CYCLE RANGE:

Keyboard Programmable: 0.1 to 999.9 seconds in 1 second increments, either "ON" or "OFF" cycle.

AUTO TURN-ON:

Programmable interrupt start time.

ACCURACY:

Timing: 0.5 second maximum variation in 24 hours. Synchronization to within 1 millisecond.

BATTERY:

Sealed, rechargeable with charger.

NIGHT LATCH:

The JR-Series supports 24-hour timing and a scheduled relay closure period. For example, a night latch time of 1700 could be entered from the keypad, and a start time of 0700. The unit will operate normally until 1700, at which time the relay will close and will stay latched until 0700 the next morning, then the normal interrupt cycle will begin again. This feature facilitates full CP polarization during hours when the survey crews are absent.

RELAY:

JR-1 : Latching Type
35A @ 28 VDC or 125 VAC

JR-2 : Mercury Plunger Type
100 A @ 48 VDC 100 A @ 120 VAC
75 A @ 75 VDC 90 A @ 240 VAC
50 A @ 120 VDC 60 A @ 480 VAC
30 A @ 240 VDC 40 A @ 600 VAC

