

SQUIRE Series Electronic Predetermining Counter

A new standard of performance and functionality in a compact preset counter. Four models offer single or dual preset count capability, or a single preset counter with a presettable batch counter.

The backlit LCD display provides simultaneous count and preset indication. The use of annunciators and simple key sequences makes operator changes quick and easy. A variety of count sources are accommodated, including relay and push-button contacts, photocells and proximity switches, and uni- or bidirectional incremental encoders. The solid state outputs can interface to light duty devices and PLCs, while the relay contacts offer heavy duty load switching. Setup and installation is simplified through configuration switches, pluggable terminal strip connectors and a unique “no tools required” panel mount clamp.

The Squire family of preset counters combines state of the art circuitry and electronic assembly techniques with an ergonomic package design that results in the most cost effective, high performance counter value on the market.



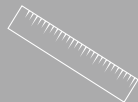
- Two line display indicates Count and Preset values simultaneously
- High visibility in high or low ambient light environments
- Easy installation and service
- Compact design requires only 48 mm of panel space
- Built-in medium duty, form C (SPDT) relays
- Reset to zero or set to a number operation
- Two level program and preset data security
- Several reset options available
- Add / subtract or bidirectional count inputs
- Nonvolatile RAM provides 10+ years data retention
- NEMA 4/IP65 front panel



TIME



COUNT



MEASURE

8:43

DISPLAY

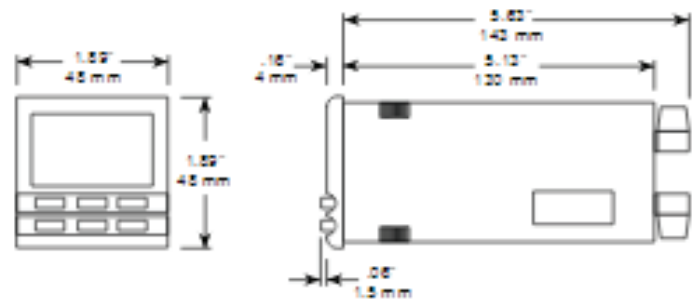
SQUIRE Series Electronic Predetermining Counter

ESVR 09082016

SPECIFICATIONS

DISPLAY	Transflective LCD, LED backlight; Counter: 6 digit, 7 mm; Preset/Batch Count: 6 digit, 4 mm; 14 input/output/status indicators
PRESETS	6 digits
POWER SUPPLY	95 to 130 VAC, 50/60 Hz, 6 VA max. (SQxxx0); 190 to 260VAC (SQxxxE); 10 to 26 VDC, 0.4 A max. (all models)
COUNT INPUT	Switch Input: contact closure; 20 Hz max.; 25 ms min. pulse width Pulse Input: Sourcing, low: < 2 VDC or open, high: > 3 VDC; 2.4 kHz max.; 200 s min. pulse width; 10 kΩ to Common Pulse Input: Sinking, low: < 2 VDC, high: > 3 VDC or open; 2.4 kHz max.; 200 s min. pulse width; 4.7 kΩ to +VDC
COUNT MODE	Add/Subtract (anti-coincidence): Signal A input adds; Signal B subtracts Bidirectional Quadrature: Adds when A leads B
CALIBRATOR	0.0001 to X.XXXX input pulse multiplier Relay output: Form C, 5 amp resistive at 24 VDC or 120 VAC; 3 amp resistive at 240 VAC; 1/8 H.P. at 120/240 VAC
OUTPUT	Solid State: NPN Open Collector transistor; 100 mA max.; 30 VDC max. Assignment: Output 1 turns on at Preset 1, turns off at manual Reset; Output 2 turns on at Preset 2, turns off at manual Reset; (Output 2 turns on at Counter=0, turns off at Reset if switch #3 is down)
OUTPUT TIME	0.01 to 99.99 seconds momentary, or latch
RESET	Push-button (selectable enable), remote or automatic
ACCESSORY POWER	12 VDC ±25%, 100 mA maximum
OPERATING TEMPERATURE	32° to 112°F (-0 to 50°C)
CONNECTIONS	Pluggable screw terminals

DIMENSIONS



Panel Cutout: 1.77" x 1.77" (45 mm x 45 mm).

ORDERING INFORMATION

Standard Models

SQC11000	20Hz, Add/Subtract Count Modes, Preset 1
SQC12000	2.4kHz, Add/Subtract & Quadrature Count Modes, Preset 1, Calibrator & Decimal Point
SQC22000	2.4kHz, Add/Subtract & Quadrature Count Modes, Preset 1, Preset 2, Calibrator & Decimal Point
SQB22000	2.4kHz, Add/Subtract & Quadrature Count Modes, Preset 1, Batch Preset,, Calibrator & Decimal Point

For 230 VAC operation, change sixth digit in model number from 0 to E