

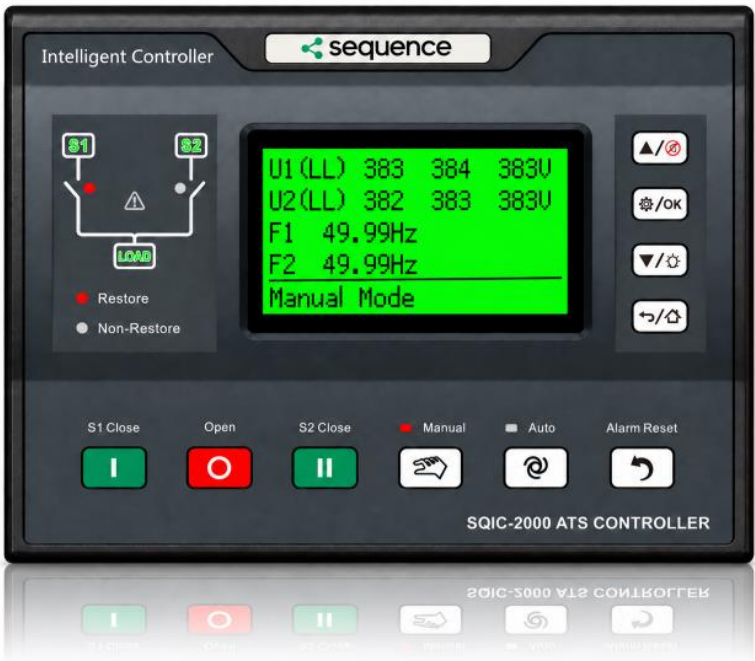
SQIC-2000 Intelligent Controller

Dual-Source ATS Control

Mains / Mains
Mains / Generator
Generator / Generator

Automatic transfer with
synchronism checking

Supports both open/closed-
transition



MONITORING, TRANSFER AND GENERATOR CONTROL

Electrical monitoring

S1/S2 voltage, frequency and phase. Load current, power, power factor and energy. Over/undervoltage, over/underfrequency, phase loss and phase reversal detection.

Generator control

Start/stop commands and scheduled tests. Dual-generator modes include cyclic, priority and balanced run-time operation.

Automatic and synchronised transfer

Configurable source priority and restoration. Checks frequency and phase angle, with optional voltage-difference checking.

Load management

Up to four sequential load outputs and three non-essential load (NEL) shedding stages, subject to assigned I/O.

OPERATION AND DIAGNOSTICS

Local operation	132 × 64 backlit LCD with English/Chinese display. Manual and auto modes.
Power quality	Voltage and current THD. Odd harmonic orders from the 3rd to the 21st.
Event recording	200 events and 5 black box records, each covering 50 s before and 10 s after an automatic transfer event.

SQIC-2000 Intelligent Controller

SQIC NAMING SYSTEM

SQIC – 2000 – O – CM

CM: Current Measurement
Blank: Without Current Measurement

S: Synch. Transfer, Close Transition
O: Open Transition

2000: To control 2 breakers
3000: To control 3 breakers

Product Type: SeQuence Intelligent Controller (SQIC)

ELECTRICAL AND CONTROL SPECIFICATIONS

Power supply	8–35 VDC 90–305 VAC via S1/S2 sensing	Integrated I/O	6 inputs (2 fixed + 4 programmable) 8 outputs (2 fixed + 6 programmable)
Voltage inputs	3-phase 4-wire: 80–520 V L-L 2-phase 3-wire: 80–520 V A-B 1-phase 2-wire: 50–305 V L-N	Contact ratings	S1/S2 close + outputs 1–2: 16 A at 250 VAC Outputs 3–6: 8 A at 250 VAC
Frequency	50/60 Hz nominal 15–75 Hz measurement	Communication	Modbus RTU, Modbus TCP/IP USB: Parameter configuration
Current inputs	5 A CT secondary 0–10 A measurement	Display	132 × 64 pixels Backlit LCD
Consumption	<4 W (standby <2 W)	Protection	Front IP65 with sealing gasket Rear IP20
Environment	–25 to +70 °C 20–93% relative humidity	Panel cutout	186 × 141 mm
		Overall size	260 × 180 × 54 mm

3-phase 3-wire systems are not supported. Relay contacts are volt-free.

APPLICATIONS



DATA CENTERS



**TELECOM
FACILITIES**



**INDUSTRIAL
PLANTS**



RAIL TRANSIT



**CRITICAL
INFRASTRUCTURE**