ENGLISH

Technical Specifications

Table 1: Full-function Test Kit Technical Specifications

Parameters			Value
Fuse	120 Vac Applications		2 A, 250 Vac, Fast-blow (Recommended Fuse: Bussman Part No. AGC-2)
	230 Vac Applications		1 A, 250 Vac, Fast-blow (Recommended Fuse: Bussman Part No. AGC-1)
Nominal Operating Voltage			115–230 Vac
Operating Voltage Range			102–144 Vac
			207–253 Vac
Operating Frequency			50 Hz
			60 Hz
Operating Temperature			-20–50 °C
Storage Temperature			-20–60 °C
24 Vdc Power	Nominal Voltage		24 Vdc
	Tolerance		22.8–25.2 Vdc
	Maximum Output Current		100 mA
Trip Time Measurement	Accuracy		±5 mS
	Resolution		1 mS
	Range		0–3000 sec.
Fault Signal	Voltage Source	Accuracy (Percent Error in Amplitude + Percent Error in Frequency)	±3%
		Nominal Frequency	60 Hz
		Amplitude Range	0.031–21.5 at 60 Hz Vrms
	Current Source	Accuracy	±3%
		Amplitude Range	0.020–2.3 Amperes dc
Installation Category (Overvoltage Category)			Category II
Maximum Power Rating			60 W

Determine Trip Unit Compatibility

Refer to Table 2 to determine which tests and functions are applicable then follow appropriate connection procedures. **Read this instruction bulletin in its entirety before initiating any test or function.**

Table 2: Trip Unit Compatibility

Trip Unit Family/Type		Test Cable	Test Functions				Inhibit Functions	
			Automatic Trip	Manual Trip	Mechanical Operation	ZSI Function	Ground-fault Inhibit	Thermal-imaging Inhibit
Non-communicating	STR22ME, STR22GE, STR22SE, STR23SE, STR23SP, STR43ME	2-Pin Test Cable	■	■	■			
	STR53UP, STR53UE		■	■	■			
	ET 1.0M	7-Pin Test Cable	■	■	■			
	ET 1.0I		■	■	■			
	ET1.0		■	■	■			
	Micrologic 2.0, 3.0, 5.0		■	■	■			
Communicating	Micrologic 2.0A, 3.0A, 5.0A, 7.0A		■	■	■	■		■
	Micrologic 5.0P, 5.0H, 7.0P, 7.0H		■	■	■	■		■
	Micrologic 6.0A, 6.0P, 6.0H		■	■	■	■	■	■

ENGLISH

Technical Specifications

Table 1 – Full-Function Test Kit Technical Specifications

Parameters			Value
Fuse	120 Vac Applications		2 A, 250 Vac, Fast-blow (Recommended Fuse: Bussman Part No. AGC-2)
	230 Vac Applications		1 A, 250 Vac, Fast-blow (Recommended Fuse: Bussman Part No. AGC-1)
Nominal Operating Voltage			115–230 Vac
Operating Voltage Range			102–144 Vac
			207–253 Vac
Operating Frequency			50 Hz
			60 Hz
Operating Temperature			-20–50 °C
Operating Environment			Humidity to 80% up to 31°C
Storage Temperature			-20–60 °C
24 Vdc Power	Nominal Voltage		24 Vdc
	Tolerance		22.8–25.2 Vdc
	Maximum Output Current		100 mA
Trip Time Measurement	Accuracy		±5 mS
	Resolution		1 mS
	Range		0–3000 sec.
Fault Signal	Voltage Source	Accuracy (Percent Error in Amplitude + Percent Error in Frequency)	±3%
		Nominal Frequency	60 Hz
		Amplitude Range	0.031–21.5 at 60 Hz Vrms
	Current Source	Accuracy	±3%
		Amplitude Range	0.020–2.3 Amperes dc
Installation Category (Overvoltage Category)			Category II
Maximum Power Rating[1]			100 W / 19% duty cycle

[1] Maximum power rating is calculated as the measured power during the highest powered test running at 7 seconds, assuming 30 seconds between repeated tests. It is recommended to anticipate the FFTK consuming 100 W during this 7-second test.

Determine Trip Unit Compatibility

Refer to Table 2 to determine which tests and functions are applicable then follow appropriate connection procedures. **Read this instruction bulletin in its entirety before initiating any test or function.**

Table 2 – Trip Unit Compatibility

Trip Unit Family/Type		Test Cable	Test Functions				Inhibit Functions	
			Automatic Trip	Manual Trip	Mechanical Operation	ZSI Function	Ground-Fault Inhibit	Thermal-imaging Inhibit
Non-communicating	STR22ME, STR22GE, STR22SE, STR23SE, STR23SP, STR43ME	2-Pin Test Cable	X	X	X			
	STR53UP, STR53UE		X	X	X			
	ET 1.0M	7-Pin Test Cable	X	X	X			
	ET 1.0I		X	X	X			
	ET1.0		X	X	X			
	Micrologic 2.0, 3.0, 5.0		X	X	X			
Communicating	Micrologic 2.0A, 3.0A, 5.0A, 7.0A		X	X	X	X		X
	Micrologic 5.0P, 5.0H, 7.0P, 7.0H		X	X	X	X		X
	Micrologic 6.0A, 6.0P, 6.0H, 6.0E		X	X	X	X	X	X