

BROCHURE

EntelliGuard TU Trip Unit

Universal plug and play replacements
for legacy trip units

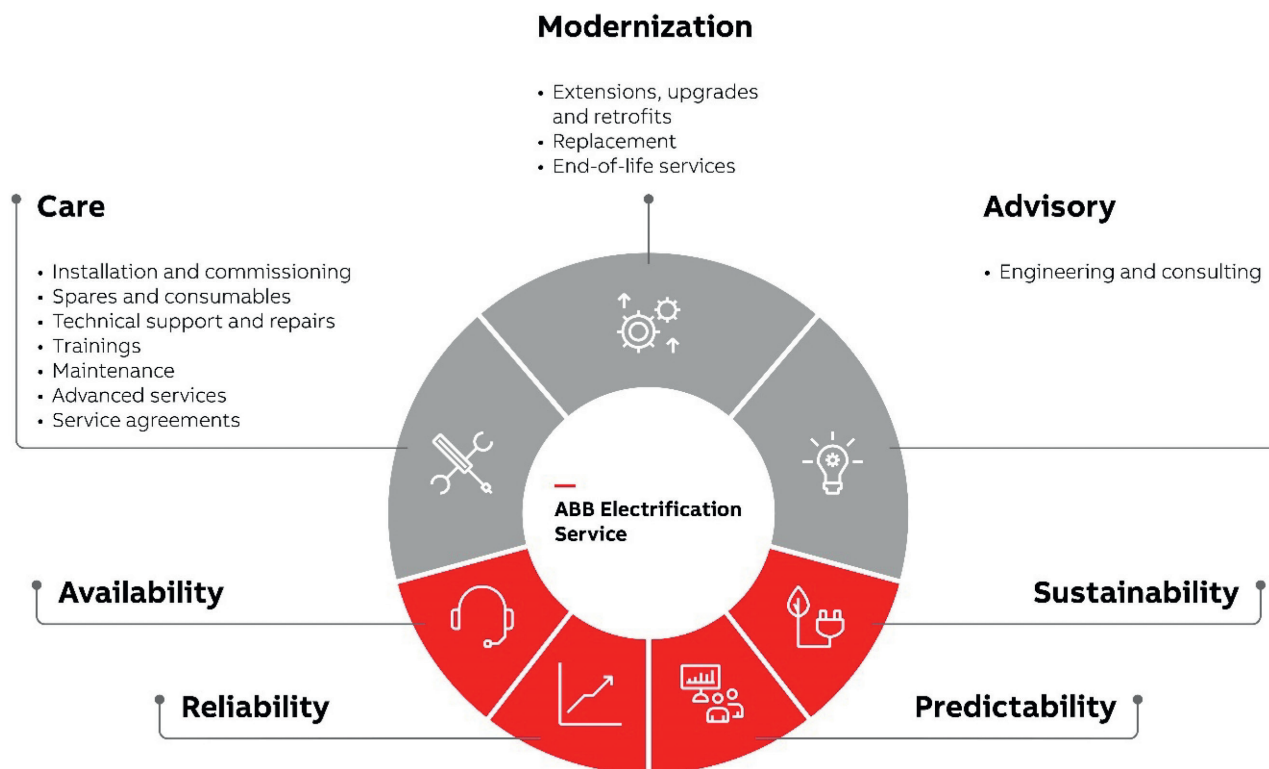
GE legacy product
documentation



In 2018 ABB acquired GE Industrial Solutions. EntelliGuard TU Trip Unit is now serviced and maintained by ABB.

If you need spare parts or your installed equipment has aged and requires modernization or replacement – ABB is your first point of contact (look for contact details on the last page). ABB provides comprehensive maintenance, diagnostics, and repair services for medium voltage and low voltage electrical apparatus.

The ABB Electrification Service offering is comprised of services that will help you take care of the equipment, modernize it, and recommend the most appropriate business decisions to guarantee the availability, reliability and sustainability of critical assets to meet your evolving needs.



Universal plug and play replacements for legacy trip units

ABB Electrification Service offers a simplified product solution of one “universal” plug and play trip unit per legacy circuit breaker frame. The trip unit allows the user to select the sensor size directly on the display or through the free Trip Unit Toolkit software.

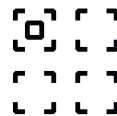
¹ Zone Selective Interlocking
² Reduced Energy Let Through

Universal trip unit benefits



Safer and more reliable

- Circuit breakers maintain UL listing after conversion
- Mechanical rejection and per-frame settings limits offer enhanced protection
- Positive maintenance status indication/test and ZSI¹ testing capability.



Full selectivity

- ArcWatch = Safety and Selectivity at the same time
- Instantaneous and Threshold ZSI allows for simultaneous full selectivity and arc flash protection
- Multiple long-time curve shapes, broad setting and delay range provide flexibility for every protection need.



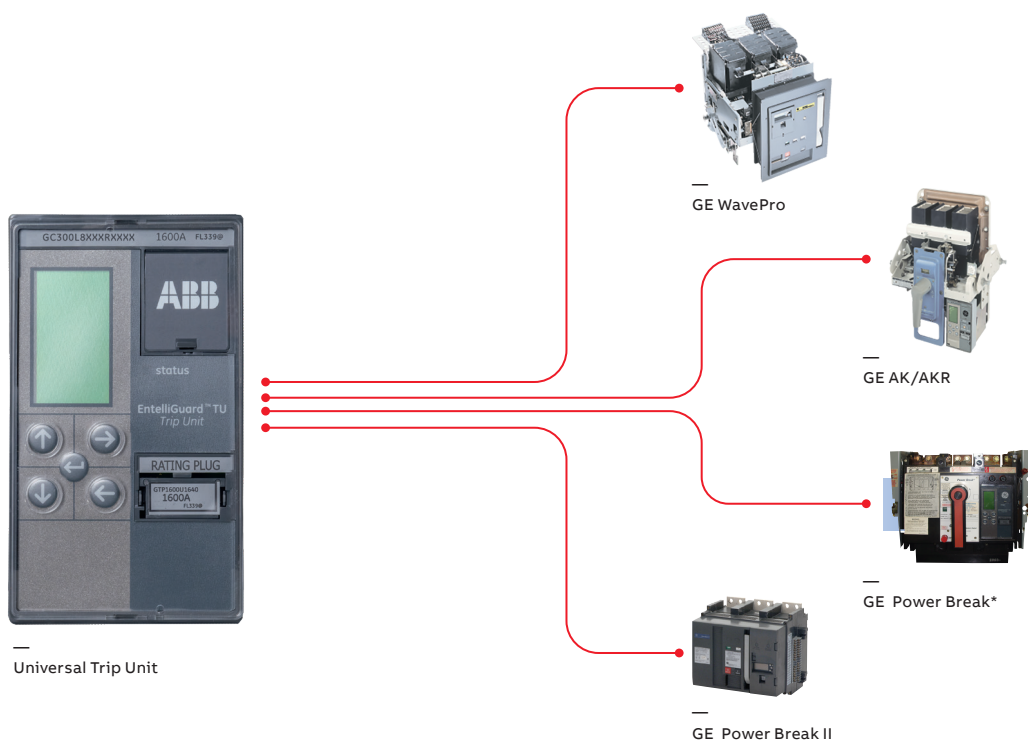
Fast and easy installation

- Replacing just the trip unit significantly reduces installation time
- Windows®-based software allows for quick setting, troubleshooting and testing
- Integral RELT² can be activated by using a 24 V signal or Modbus communication
- Mechanism timing enabled on all models with micro-switch on the flux shifter







Ease of ordering

- Just 1-4 catalog numbers can cover an entire switchgear line-up
- 10 catalog numbers can cover all GE trip units launched since 1981
- Fast shipment



*Contact ABB for details on availability

Universal Trip Unit: Standard Catalog Numbers

Circuit breaker type	Frame size	Trip unit function		
		LSIGDA ³ Switchable ST, Instantaneous and GF (with alarm)		
		Reduced Energy Let Through (RELT), and Modbus Communication ⁴		
		Relay package, I-ZSI, and T-ZSI ⁴		
 GE WavePro	≤ 2000 A	GW300L8XXRXRXXX	GW300L8X2XRXXX	GW300L8T8XRXXX
	3000 - 4000 A	GW700L8XXRXRXXX	GW700L8X2XRXXX	GW700L8T8XRXXX
	5000 A	GW800L8XXRXRXXX	GW800L8X2XRXXX	GW800L8T8XRXXX
 GE AK/AKR	≤ 2000 A	GC300L8XXRXRXXX	GC300L8X2XRXXX	GC300L8T8XRXXX
	3000A/3200 A	GC600L8XXRXRXXX	GC600L8X2XRXXX	GC600L8T8XRXXX
	4000 A	GC700L8XXRXRXXX	GC700L8X2XRXXX	GC700L8T8XRXXX
	5000 A	GC800L8XXRXRXXX	GC800L8X2XRXXX	GC800L8T8XRXXX
 GE Power Break	≤ 2000 A	GA300L8XXRXRXXX	GA300L8X2XRXXX	GA300L8T8XRXXX
	2500-3000 A	GA500L8XXRXRXXX	GA500L8X2XRXXX	GA500L8T8XRXXX
	4000 A	GA700L8XXRXRXXX	GA700L8X2XRXXX	GA700L8T8XRXXX
 GE Power Break II	≤ 2000 A	GB300L8XXRXRXXX	GB300L8X2XRXXX	GB300L8T8XRXXX
	2500-3000 A	GB500L8XXRXRXXX	GB500L8X2XRXXX	GB500L8T8XRXXX
	4000 A	GB700L8XXRXRXXX	GB700L8X2XRXXX	GB700L8T8XRXXX

³ Instantaneous is not switchable for UL489 circuit breakers (example: Power Break)

⁴ See DET-722 for additional information on compatibility and integration of advanced trip unit features.

Universal plug and play replacements for legacy trip units

Available enhancements

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01
GTURSK – RELT

GTURSK – RELT

- Switch fully contained kit
- Meets NEC 240.88
- Provides full maintenance switch system test
- Positive feedback display
- Lockout capability included.

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02
GTUTK20 – Trip Unit Test Kit

PLPS4G01 – Modular Power 24V Supply Kit.

GTUTK20 – Trip Unit Test Kit

- EntelliGuard TU Test Kit is a lightweight, portable test instrument designed for field-testing EntelliGuard TU Trip Units

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03
FREE Trip Unit Toolkit software

FREE Trip Unit Toolkit software

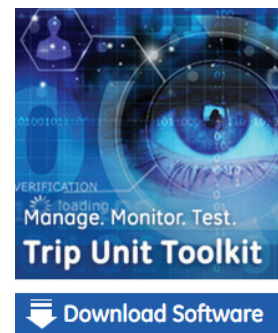
- Windows-based software that allows users to configure, set, test and troubleshoot EntelliGuard TU Trip Units. Download at <https://electrification.us.abb.com/products/upgrade-retrofit-retrofill/trip-unit-toolkit>.



01



02



03

For conversion kits or more trip unit options visit:

<https://electrification.us.abb.com/products/upgrade-retrofit-retrofill/entelliguard-tu-trip-unit>



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