

GE
Security

Transition™ Series Readers

Award-Winning Multi-Technology
Access Readers

Now compatible with
GE and HID® Proximity,
Mifare® and Vicinity

Recipient of the

2004

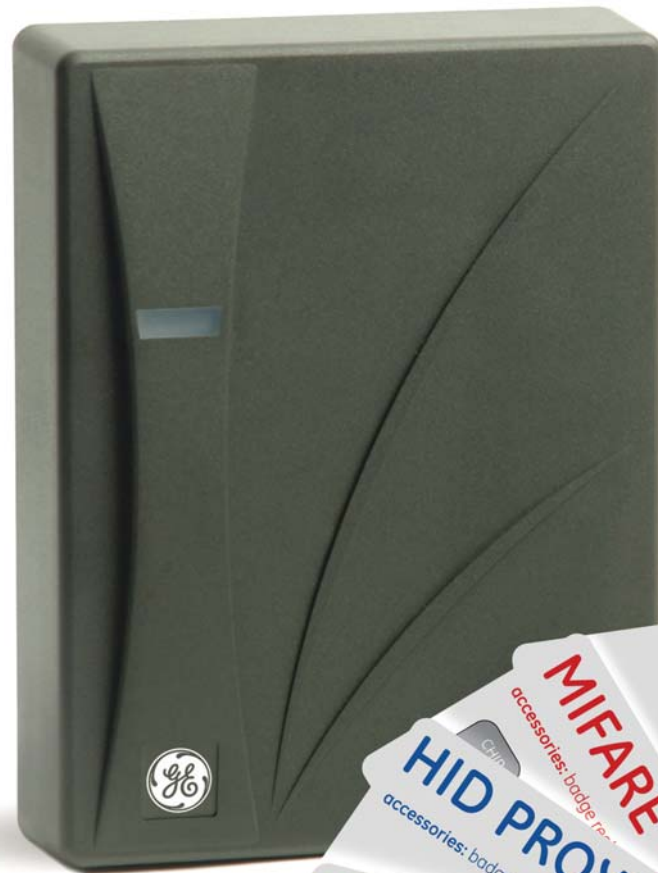
FROST & SULLIVAN

Product Innovation Award



GE's Transition Readers Put You in Control

For years, companies remained trapped by their proprietary access control systems, with multiple standards and prohibitive costs derailing upgrades to more secure technology. GE puts you back in control with Transition Series multi-technology readers—access control readers that are compatible with a wide range of proximity and smart card technologies. Forget the old fears of product obsolescence. Now you can build the access control system you need—all on your timeline and within your budget. Use Transition Series readers to improve your existing access control system or to unite separate systems into one compatible network. You can rely on GE, one of the most trusted brands in the security industry, to provide the compatibility, control and advanced security your business demands.



Get smart with the all-in-one solution

Simply put, GE Transition Series readers are an all-in-one solution, paving a smooth path to future technology, all with the least effort and expense. Because Transition readers are compatible with the major proximity and smart card technologies—including GE and HID Proximity, MIFARE and Vicinity—you can use them in the way that best fits your specific needs. The unique, scalable and non-proprietary platform of Transition readers gives you the flexibility to enhance your security system in the wisest, most economical way possible. Now you can deploy access control without fear of obsolescence, bridging existing and future reader and card technologies, or consolidating dissimilar card access systems—all with the support of GE, one of the world’s most trusted companies.

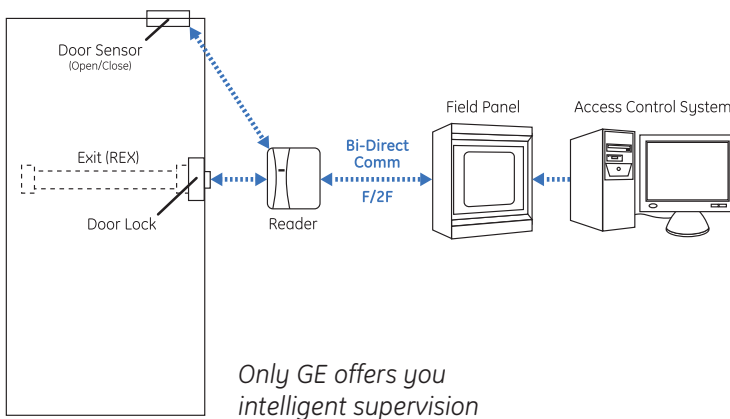
FEATURE AND FORMAT SPECIFICATIONS

	Transition Readers		Transition Readers	
	T-5xxW	T-5xxSW	T-5xxW	T-5xxSW
Supported Credential Technologies				
Proximity Cards				
GE Proximity	•	•		
HID Proximity	•	•		
HID Proximity Corporate 1000	•	•		
Smart Cards				
Mifare (ISO 14443A) Card Serial Number (CSN)	•	•		
Mifare/DESFire CSN	•	•		
Vicinity (ISO 15693) CSN	•	•		
HID iClass CSN	•	•		
Reader Communication				
Wiegand	•	•		
Supervised F/2F (CASI systems only)			•	•
> Bi-directional Communication			•	•
> Alarm Detection / Reporting			•	•
> Automatic Offline Protection (active alarm condition)			•	•
> Cut and Short-circuit Line Detection			•	•
External Door Monitoring/Reporting				
Request to Exit Status				•
Door Sensor Status				•
ISO Credential Compliance				
Mifare (ISO 14443A)			•	•
Vicinity (ISO 15693)			•	•
Programming Card Configurations (Field Programmable)				
2- / 4-State F/2F Supervision				•
Unsupervised F/2F Supervision				•
40-bit Wiegand (Fixed)			•	•
55-bit Wiegand (Fixed)			•	•
64-bit Wiegand (Fixed)			•	•
Beeper On/Off			•	•



Intelligent supervision, increased security

Only GE offers intelligent supervision that continuously monitors communications between select GE access control panels, the reader at the door, and door contact and Request-to-Exit (REX) connections. The unique four-state supervision of the Transition Series readers monitors and reports cut and short-circuit lines. There's also an internal tamper-alarm mechanism for perimeter protection, so your security staff receives immediate notification if a reader is tampered with, a door is breached or a cable is cut or shorted. Plus, tri-state LED and audible alerts indicate status, alarm and perimeter-tampering conditions, giving you more security than is possible with conventional Wiegand-based installations.



Versatile Wiegand-based security system compatibility

Transition Series readers are adaptable to just about any application. They are universally compatible with most access control systems that employ industry standard Wiegand-based communications. This includes compatibility with GE's CASI, InfoGraphics, EST and IDenticard product lines.

True compatibility

At the heart of the Transition Series is a commitment to compatibility. GE is one of the primary supporters of *The Smart Card Alliance*, a not-for-profit organization dedicated to accelerating smart card technology and usage. As part of our commitment, GE also promotes bringing together technology companies to design and implement standards-based open architectures for access control and other security systems.

Every Transition Series reader is compatible with the standards for multi-vendor 125 kHz Proximity products as well as MIFARE (ISO 14443A) and VICINITY (ISO 15693), including HID iCLASS Card Serial Number. And now GE and HID have teamed up to incorporate HID's Proximity reader technology into the Transition Series. That compatibility makes GE's Transition Series readers a smart investment now—and for the long-term security of your business.

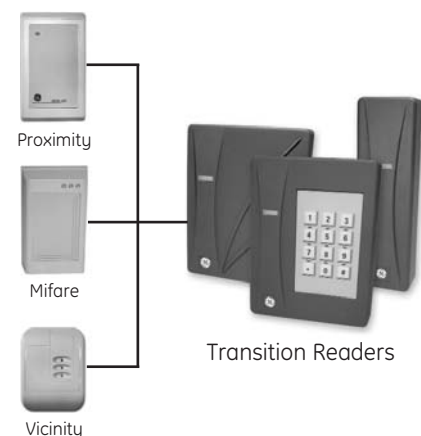
Smart cards: Essential Equipment



Smart card access control has never been more essential, as evidenced by the estimated 20 million smart cards issued in North America in 2004. Between heightened security concerns and new government security regulations, more businesses recognize the need to implement, update or consolidate access control.

Transitioning to smart cards—in particular, contactless systems—makes sense, for several reasons:

- Smart card use is expected to grow 27 percent over the next three years
- Consolidated systems allow you to converge physical logistics and budgets



- Enterprise-wide smart card systems make access control easier for users and administrators
- Contactless systems, with no moving or external parts, are more convenient, require less maintenance and less time for read throughput, and can be used in harsh environments

Rugged and backed for life

Transition Series readers feature consistent read-range performance for both metal and non-metal surfaces, with a variety of wall and door-frame models. Readers are available with or without keypads, in a compact housing that comes in light gray, charcoal or black. Durable, weatherproof and UV-resistant materials, along with advanced circuitry, protect the readers from harsh weather and long-term exposure to sunlight—and every Transition Series reader comes with a **lifetime warranty**. While the readers include powerful electronics for superior read-range performance with any technology, they also meet 6-16 VDC requirements and feature low-level power consumption. With their rugged design and impressive versatility, you can count on your GE readers for years of consistent and reliable access-card performance in all types of installations and climates.

About GE's Security business

GE's Security business spans the globe as a technological leader in the rapidly growing electronic security industry, helping customers protect their people, their property and their bottom line. We've been designing and manufacturing access control, video surveillance, intrusion and fire detection, explosives and narcotics detection, key control and fiber-optic transmission systems for more than 25 years.

As part of GE, we maintain a sharp focus on product and service innovation. We continue to make significant investments in research and development for new security technologies, and when we recognize the value of technologies created elsewhere, we build them into our products. So when you choose GE, you can count on having the latest technology to create a secure environment. What's more, we offer something that's hard to put a value on: the confidence that comes from working with one of the world's most respected companies, one that has been creating new technologies and making lives better for more than 110 years.

Award-winning innovation

GE's Transition Series readers were awarded the 2004 Frost & Sullivan Award for Product Innovation. The award recognized GE for being "the first to introduce this unique solution," which allows users to upgrade to more advanced smart card technologies without abandoning their existing solutions. Along with applauding the Transition Series readers for their pioneering multi-technology compatibility, Frost & Sullivan spotlighted GE's "consistent leadership in technology innovation, with a commitment towards open architecture and non-proprietary technology."

Frost & Sullivan was founded in 1961 with a specific mission: to publish world-class marketing consulting information and intelligence on emerging high technology and industrial markets. Now well into its fourth decade, Frost and Sullivan has won a worldwide reputation for publishing high-quality growth consulting and training reports in more than 20 major industries.



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