



**SECURITY DOOR CONTROLS**



## **E72 EntryCheck™**

- E72-64      64 User / 64 Event Audit Trail**
- E72-150    150 User / 832 Event Audit Trail**
- E72-300    300 User / 1600 Event Audit Trail**
- E72-500    512 User / 2200 Event Audit Trail**

The battery powered stand alone **E72 EntryCheck™** provides controlled access for high security applications with multi-level security requirements or applications with minimal requirements for the control of pedestrian traffic. The E72 EntryCheck™ provides extensive versatility and is packed with the sophisticated features security professionals have come to expect with hardwired systems. Furthermore, many of the E72 EntryCheck™ features are unique and proprietary.

Additional benefits include: the elimination of labor intensive wiring; retrofit standard cylindrical lock door prep with the addition of only one 3/4" through hole; installation time should not exceed 10 minutes; the elimination of key management and the issuing and re-issuing of keys; easily programmed at the keypad or with a computer and the iDT.



### **EntryCheck™ Features**

- Extra Heavy Duty Cylindrical Lockset
- Field upgradeable memory to 512 user capability maximum
- Unique 16 button alpha-numeric keypad with simultaneous multiple depression capability
- 3 - 9 PIN code length (ID + PIN)
- All weather, heavy duty, Grade 1
- Unique heavy duty keypad construction and reliability
- Fits standard door preparation with single 3/4" through hole.
- Hardwire capability
- I-Core compatible
- Non-volatile memory
- Highly secure IR transmission
- Battery life - 95,000 cycles  
Four AA Batteries
- Mechanical Key Override
- Capable of over 233 million possible entry codes

### **Programmable Features**

- Keypad and computer programmable
- 9 management groups for total flexibility
- 90 user groups
- Unlimited time zones
- Individual users and user groups may be assigned multiple time zones
- First manager to arrive. Restricts access of personnel as PIN's are disabled until manager arrives
- Real Time Clock
- 1,800 scheduled events and holidays and multi-year scheduling
- Temporary time use codes
- User ID + PIN or PIN only entry
- Individual user ID# (3-4 digits)
- PIN code length 3-6, numeric, alpha-numeric, and simultaneous multiple depression capability
- Double Entry, 2 PIN codes required for maximum security
- Access timer 1-9 seconds

- Scheduled keypad lock-out (computer programmable only)
- Passage and timed passage enabled at lock or scheduled
- Select fail-unlock or fail-locked
- Audio on or off
- Assignable lock ID number
- Standard Time always or automatic activation of day light savings mode
- Low battery indication
- Adjustable date format M/D/Y or D/M/Y

### **Vandal Resistant Clutch Mechanism**

When locked, the outside lever is not rigid and will turn without retracting the latch. Damage to internal parts is virtually eliminated.

### **EntryCheck Limited Warranty**

Lifetime Mechanical  
Electronic Limited Warranty



### EntryCheck™ Models

- E72-64** 64 user, 64 event audit trail. Field upgradeable to 150, 300 or 500 users.
- E72-150** 150 user, 800 event audit trail. Field upgradeable to 300 or 500 users.
- E72-300** 300 user, 1600 event audit trail. Upgradeable to 500 users.
- E72-500** 512 user, 2200 event audit trail. Not upgradeable.

### Specify Lever Style



Galaxy (G)



Eclipse (E)

### Standard Levers and Cylinders

- G1** - Galaxy lever, 6 pin cylinder with Schlage "C" Keyway
- G2** - Galaxy lever less cylinder
- E1** - Eclipse lever, 6 pin cylinder with Schlage "C" Keyway
- E2** - Eclipse lever less cylinder

### Levers for I-Core

Interchangeable core provided by others. Compatibility with Medeco, Keymark, Best, Falcon, and KSP is standard. All other manufactures I-Cores must be specified in writing and are considered optional and subject to an additional charge. Consult factory for availability.

- G3** - Galaxy Lever less I-Core
- E3** - Eclipse Lever less I-Core

### Specify Finish

- Q** - 626 Dull Chrome Standard
- C** - 605 Bright Brass Optional
- H** - 613 Oil Rubbed Bronze Optional
- P** - 625 Polished Chrome Optional

### Options

- IDT** - Infrared Data Transmitter and programming software
- HW** - Internal power connector for hardwire control
- REX** - Request-to-exit and Key Access History Audit Capability
- T** - 2 3/4" (70mm) x 1 1/8" (29mm) Curved lip "T" Strike. Specify Finish
- BS1** - 2 3/8" Backset
- BS2** - 3 3/4" Backset
- BS3** - 5" Backset
- SK1** - Spacer Kit for 1 3/8" Door



### How To Order

**E72-64 G1 Q REX IDT**

### IDT and Computer Management

Computer management is recommended for all medium to high security and multi-user/multi-door applications. While the E72 may be programmed with the keypad, the optional hand held IDT (Infrared Data Transmission Device) and software provides quick and easy programming and management. Lockset programming is transferred from the computer to the lockset via the IDT. History of lockset transactions are transferred to the computer via the IDT, where they are maintained and printed audit trails are provided. The software is provided free with the purchase of the IDT hand held transmission device.

The E72 EntryCheck software is a customized, easy to use \*Microsoft® \*Excel® macro worksheet, a common office program. \*Excel 97® or higher is required.

### IDT Features

- No physical connection to the lockset is required for uploading and downloading.
- Stores information for up to 200 locksets
- Proprietary design and data encryption provides secured transmission.
- Data can only be downloaded to the same computer station that originally requested the data
- Upload memory upgrades in the field without lock disassembly. Upgrade codes must be purchased for each lockset.

### Mechanical Specifications

#### Heavy Duty Cast Housing

#### Door Thickness

1 5/8" (41.2mm) - 1 7/8" (47.6mm) std

**Front:** 1 1/8" (28.6mm) x 2 1/4" (56.9mm)

#### Latchbolt

9/16" (14.3mm) throw, reversible

#### Backset

2 3/4" (70mm) standard

#### Strike

4 7/8" (124mm) standard ANSI

#### Keying

6 Pin with Schlage "C" keyway, 2 keys

**Standard Finish:** 626 Dull Chrome

#### Door Preparation

ANSI 115.18 door prep with additional 3/4" through hole.

#### Nonhanded

### Electrical Specifications

**Batteries:** 4 AA / 95,000 Cycles

**HW - Optional Hardwire Input 6VDC**

0.5 Amp inrush/ 0.2 Amp continuous

#### Operating Environment

-35° F to +155° F (-37° C to +68° C)

98% Humidity non-condensing

### Compliances

#### ANSI

Meets ANSI A156.2, Series 4000 Grade 1

Meets ANSI A117.1 Accessibility Code

Federal: Meets FF-H-106C

#### California State Reference Code

(Formally Title 19, California State Fire Marshal).

Levers Galaxy and Eclipse return to within 1/2" (13mm) of the door face.

### ADA Compliant

### UL Listing

UL Listed, USA & Canada for 3 hr "A" label and lessor class fire doors.



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## **Technical Bulletin 601/02**

### **E70 Series Highlights**

#### **DESIGN**

Choice of a Grade 1, cylindrical or mortise lockset which meets the UL 3-hour fire rating and ADA requirements. The locksets are designed for the many variants our customers need and providing an aesthetic quality not found in other locksets on the market today. The E70 Series is designed for upgrading to accommodate future technologies. All our components are modular in design.

#### **EASE OF INSTALLATION**

The E70 is the simplest installation of stand-alone integrated access control on the market today. Only one 3/4" hole through the door face is required in addition to a standard ANSI 115.18 door preparation. The total installation time should not exceed 10 minutes.

#### **RACEWAY**

The 3/4" brass raceway projects through the door face protects the wires from sharp edges, provides water resistance in a hollow metal door and gives greater strength to the lockset installation.

#### **WATER RESISTANCE**

- The E70's PCB board is coated to protect it from moisture.
- The keypad is sealed and backed by a solid surface.
- The raceway prevents moisture penetration, particularly on hollow metal doors.
- The gasket for both the bezel and the exterior housing provides an additional seal.

#### **HOUSINGS**

The housing of the E70 is made of solid die-cast zinc for heavy-duty use. The E70 housing has internal ribbing for added rigidity. It is designed to cover existing mounting holes of competitor units.

#### **ARCHITECTURAL FINISHES**

The E70's standard finish is Dull Chrome (626). The Polished Brass (605), Oil Rubbed Bronze (613) and Polished Chrome (625) finishes are also available for an additional up-charge. Additional finishes are available in quantity with special pricing. Consult the factory for further details.

#### **LEVERS**

The E70 features a standard cylindrical lever in the Galaxy design, which accentuates the rounded shape of the lockset. The Eclipse lever is also available. The Eclipse and Galaxy levers have a break-away feature, which helps prevent internal damage to the lockset in the event of an attempted forced entry.

#### **IC CORES**

Locksets are sold less IC core. Standard I-Core prepared levers accept Best, Falcon, KSP and Medeco Keymark IC cores. Other levers are available to accept a wide variety of OEM IC cores. Consult factory.

#### **CLUTCH**

One of the advantages of the E70 Series locksets is an internal clutching mechanism that will prevent chassis engagement when the lockset is in the locked position. This prevents damage to internal chassis parts.

#### **PROGRAMMING FEATURES**

The locksets' standard programming includes 99 User groups, 64 Users and a 50-event audit trail. The memory can be upgraded on-the-door to 512 users and a 2,200-event audit trail. We have implemented 32 programmable functions, for example: First Manager To Arrive; Double Code Entry; Temporary User Schedule; Basic, Group and Single User Schedules; Unlimited Time Zones and Holiday.

## **KEYPAD**

Our keypad uses technology that is capable of delivering unheard of performance and flexibility. This unique 16-position keypad was tested to 200 million cycles, making the E70's keypad the most durable one used on any stand-alone lockset. The keypad is capable of changing terminators to increase the security.

The keypad has two separate shields. One is the bezel, which surrounds the outer edge of the pad giving it strength and a tight seal from the elements. The second is the fascia, backed by stainless steel making it resistant to sharp implements. Under the replaceable fascia is a heavy layer of dense material coated with Tevlar for increased weather resistance.

## **MULTIPLE KEY DEPRESSIONS**

Yet another unique feature is E70's ability for multiple, simultaneous key depressions increasing the total number of possible entry combinations. This is made possible by the non-matrixed keypad and special software that allows for minute variances in keypad depressions.

## **AUDIO AND VISUAL RESPONSES**

The E70 offers both audio and visual responses. The audio response is achieved through the use of a sounder capable of creating different tones. This gives the user a positive response to the locksets' current mode. In order to achieve power savings, the lockset audio can be disabled during normal operation. Visual recognition is provided by a tri-color LED located in the center of the keypad. Visual recognition cannot be disabled.

## **BATTERIES**

The E70 uses 4 AA batteries. When it is necessary to change the batteries you will have approximately 15 minutes to complete the task before Users and Scheduling are effected. The E70 will reliably provide 100,000 operations on a single set of 4 AA batteries. This outstanding performance is due to the energy management system in the lockset software combined with a component by component evaluation for energy efficiency.

## **SOFTWARE**

An easy to use software interface is provided. The software we use is a customized Microsoft® Excel® worksheet. During planning of the software, we wanted to create a program that would be easy to understand with a minimal learning curve. The only computer requirement is Microsoft® Excel® 97. This software interface is free, and will be available on CD ROM with the purchase of the Upload/ Download module (IDT). In addition, a Microsoft® Access® based program is currently in development.

## **IDT Infrared Data Transmitter (upload download module)**

The IDT is a unique, proprietary handheld infrared data transmission device that can store information for up to 200 locksets at a time. There are several reasons for a proprietary handheld device. They are:

- Security. By using our own device we are able to control the parameters of the software. This is not entirely possible if you use Windows® CE or other commercially available products.
- The device has no value except in conjunction with E70 locksets. By removing any motive for stealing the unit, anyone can be put in charge of information retrieval.

## **IR TRANSMISSION**

The IDT uses infrared technology to transmit data and has several distinct advantages over other forms of data transmission. It requires no physical connection. There are no external contact points creating areas of potential tampering or exposure to the elements.

## **IR TRANSMISSION SECURITY**

There are several issues that have been addressed with regard to security. All transmissions of data, whether on-line, wire or IR is subject to interception. The E70 transmission is secured in several ways:

- Through the use of a proprietary handheld device.
- Use of rolling encrypted algorithms.
- Each lockset uses an algorithmic equation for each individual exchange.
- Data can only be downloaded to the computer from which the data request was made.
- The combination of these security measures provides the most secure environment possible.

## **•Upgrading the Memory (Option)**

The lockset memory can be expanded without removing the lockset from the door. Simply obtain the serial number from the board via the IDT (the hand held Upload/Download module), call your distributor and you can purchase an upgrade number to enter into the lockset which will automatically expand the memory. Each number is unique to the lockset that is upgraded. All upgrades are permanent.

## **•REX / Key Entry History Audit Capability (Option)**

This option consists of two separate sensors. The first sensor recognizes when a key is used for access. The second sensor is actuated by the inside lever. A history of each sensor actuation is then provided in the audit trail. The sensors are rated for over one million cycles.



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# SDC's EntryCheck E70 is the **REAL** Winner!

**SDC** 30  
YEARS  
SECURITY DOOR CONTROLS

**EntryCheck E70**

**VS. Trilogy T2 DL2700**



**Architecturally  
Superior  
Appearance**

	<b>SDC EntryCheck E72-64</b>	<b>Trilogy T2 DL2700*</b>
<b>User Codes</b>	<b>64</b>	<b>15</b>
<b>Code Length</b>	<b>3-9</b>	<b>3-5</b>
<b>Management Levels</b>	<b>9</b>	<b>2</b>
<b>User Groups</b>	<b>90</b>	<b>3</b>
<b>Audit Trail Memory</b>	<b>50</b>	<b>NO</b>
<b>Real Time Clock</b>	<b>YES</b>	<b>NO</b>
<b>Scheduled Events</b>	<b>YES</b>	<b>NO</b>
<b>Passage Mode</b>	<b>YES</b>	<b>NO</b>
<b>First Manager to Arrive</b>	<b>YES</b>	<b>NO</b>
<b>Hand Held Programmer &amp; Free Software</b>	<b>OPTION</b>	<b>NO</b>
<b>Field Upgradeable to 500 Users, 2,200 Audit Trail</b>	<b>YES</b>	<b>NO</b>
<b>ANSI Door Prep with one added hole</b>	<b>YES</b>	<b>NO</b>
<b>Choice of Cylindrical or Mortise Lockset</b>	<b>YES</b>	<b>NO</b>
<b>Weather Resistant</b>	<b>YES</b>	<b>Option</b>
<b>Batteries</b>	<b>4 AA</b>	<b>5 AA</b>
<b>Battery Life 100,000 Operations</b>	<b>YES</b>	<b>YES</b>



[www.sdcsecurity.com](http://www.sdcsecurity.com)

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\*Based on information available at the time of printing.