Axcys *Embedded!*
Internet Enabled Access Control & Alarm System
By Global Electronics Ltd.

Upgrade PTI Multiplexed Alarm To Axcys Proxitol!
Summary Data Sheet September 2012
PRELIMINARY

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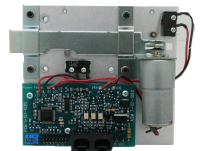602-437-8005
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Preliminary Axcys Embedded Web Enabled Access Control /Alarm System

Axcys Embedded Web Enabled Access control/Alarm System
e-LocX Automated Over Locking System
Axcys Integrated Over Locking Access Control and Security Software
Proxitrol Digital Individual Door Multiplexed Alarm System
EclypX Digital Access Control Keypad
US Patent No. 7221273 1 B1

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Converting PTI Multiplexer to Axcys Proxitrol Multiplexer

About This Document

This document is intended to provide a quick start to replace PTI Muxtiplexed Alarm System with Global Electornics' Axcys Proxitrol Multiplexed Alarm System.

Introduction

Since 1995 Global Electronics has been publishing, supporting and enhancing its Axcys Family of Self Storage Access Control products. Globals Axcys Family has been continually refined throughout the life of each product incorporating many innovative feature additions, product enhancements and support. After nearly 20 years of service to our customers, Global is about to release the next generation of Globals Axcys Family of Access Control and Security Software products called

Axcys **_Embedded!_** Join our email newsletter for more information!

Conversion

Converting the PTI Mux to a Axcys Proxitrol Mux is simple by design. Global has chosen to use the existing PTI case to reduce overall cost of the changeout. Global has also designed its Mux board to be nearly identical to the old PTI board to ease the upgrade and reduce labor/installation cost. All Unit Door Contact connectors are the same, and are in the same relative area on both products. Four basic steps to replace the PTI Mux board with a Axcys Proxitrol Mux board are all that is necessary.
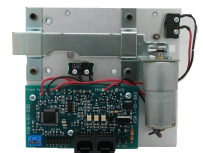
The accompanying drawings illustrate the two boards and the wiring discussed below.

1. Remove all of the plug in door alarm connectors, being careful to mark each one first, for its position. It will be necessary to reinsert them in the same location on the new board. Remove the Power and Data connector as well.

2. Replace the existing PTI Mux board, with the Axcys Proxitrol board by removing the 4 screws holding the PTI Mux board in place. Use the same 4 screws to hold the replacement board in place.

3. Reinsert the Door Alarm Connectors on the new Mux board in the same location as they were removed.

4. One at a time, remove the wires from the 5 position connector remaining from the PTI mux board, and insert into the corresponding position on the new board. We recommned starting from the Left, and moving Right. The polarity of the wires from the PTI board match that of the Axcys Proxitrol board.
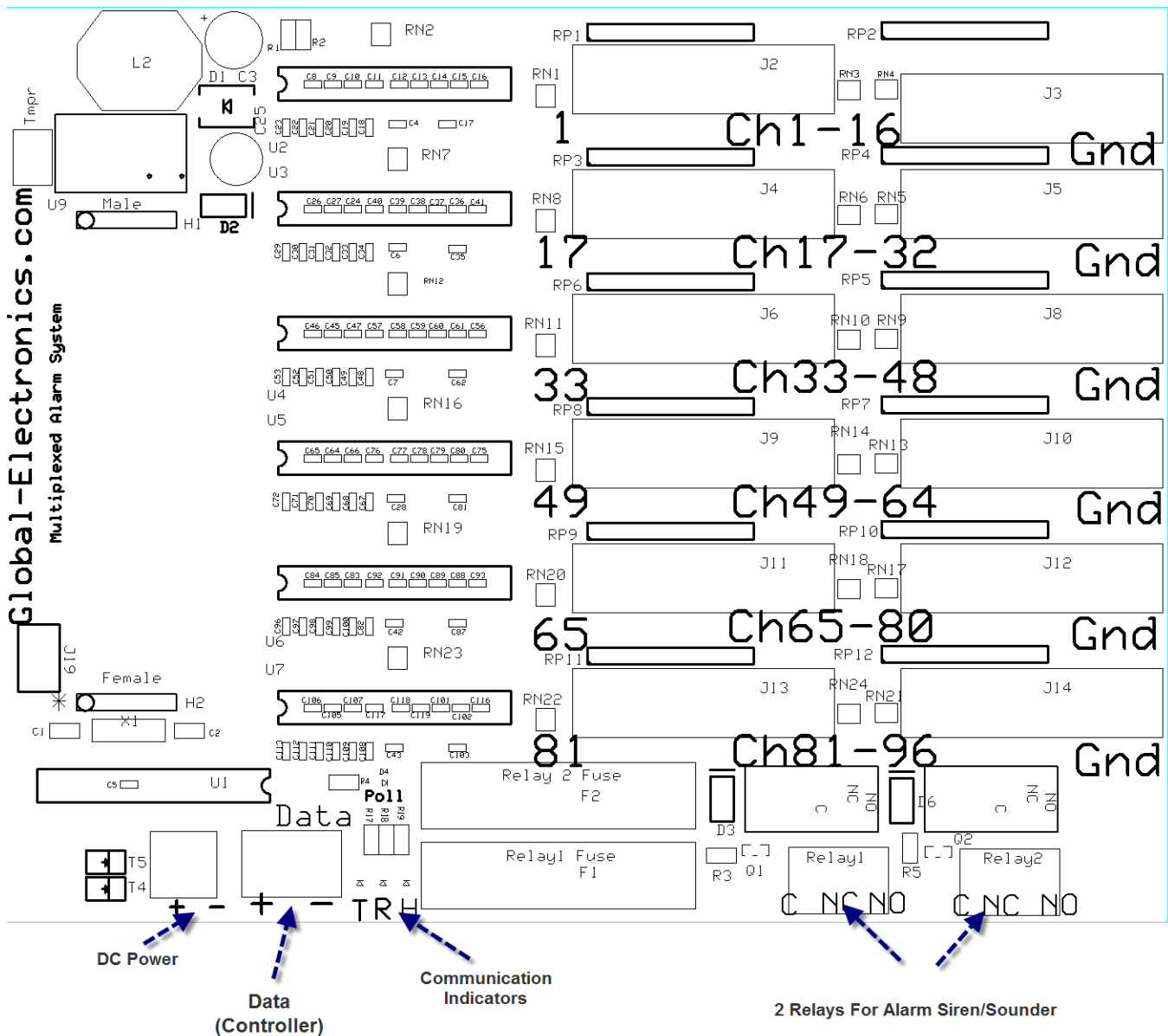
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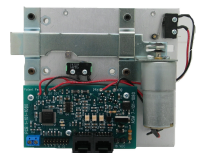**US Patent No.   7221273 1 B1**

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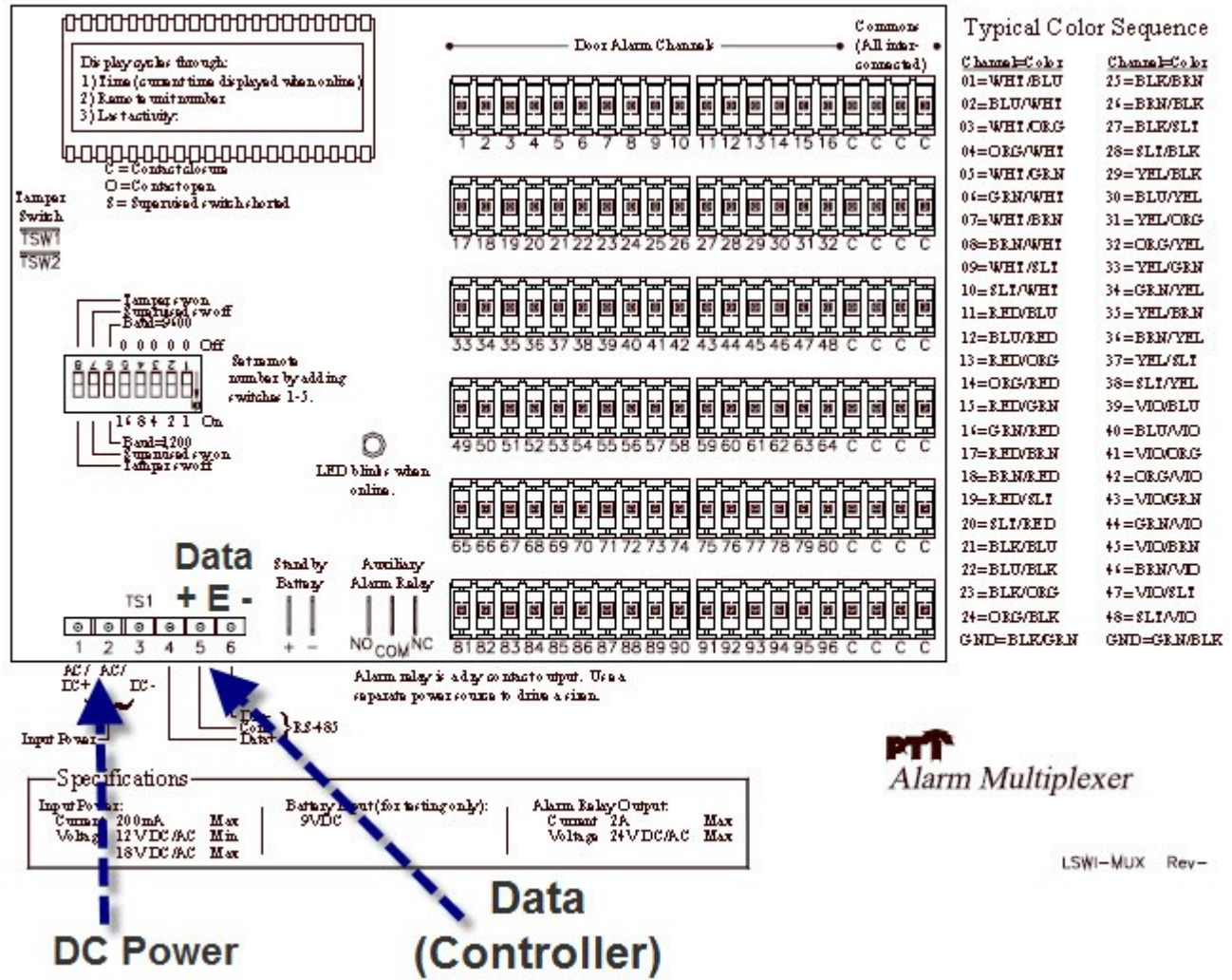# Global Electronics' Axcys Proxitrol Mux Board – PTI Replacement Model

DC Power

Data
(Controller)

Communication
Indicators

2 Relays For Alarm Siren/Sounder

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PTI Mux Board

LSWI—MUX Rev-

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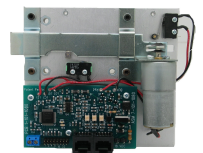**US Patent No. 7221273 1 B1**

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Glossary Of Terms

An **embedded system** is a computer system designed for specific control functions within a larger system, often with real-time computing constraints. It is *embedded* as part of a complete device often including hardware and mechanical parts. By contrast, a general-purpose computer, such as a personal computer (PC), is designed to be flexible and to meet a wide range of end-user needs. Embedded systems control many devices in common use today. - Wikipedia
http://en.wikipedia.org/wiki/Embedded_system

A System is a group of components such as Electronic, Mechanical or Intellectual such as Software, organized and used together to perform specific actions and/or purposes.

Unit Door Status Changes – Door changes from Open to Closed, or Closed to Open
Remote Devices –Referring to devices such as Keypads, Multiplexed Alarms, Relay Modules and similar electronic devices attached to the Axcys Embedded Network.

GUI – In computing, a **graphical user interface** (**GUI**, commonly pronounced *gooey*[1]) is a type of user interface that allows users to interact with electronic devices using images rather than text commands. *GUI*s can be used in computers, hand-held devices such as MP3 players, portable media players or gaming devices, household appliances and office equipment. A *GUI* represents the information and actions available to a user through graphical icons and visual indicators such as secondary notation, as opposed to text-based interfaces, typed command labels or text navigation.
Wikipedia - http://en.wikipedia.org/wiki/Graphical_user_interface

Localization - In computing, **internationalization and localization** *(other correct spellings are internationalisation and localisation)* are means of adapting computer software to different languages, regional differences and technical requirements of a target market. Internationalization is the process of designing a software application so that it can be adapted to various languages and regions without engineering changes. Localization is the process of adapting internationalized software for a specific region or language by adding locale-specific components and translating text.
Wikipedia - http://en.wikipedia.org/wiki/Internationalization_and_localization

Tenant - A **leasehold estate** is an ownership of a temporary right to hold land or property in which a lessee or a tenant holds rights of real property by some form of title from a lessor or landlord. Although a tenant does hold rights to real property, a leasehold estate is typically considered personal property.
Wikipedia - http://en.wikipedia.org/wiki/Leasehold_estate

Linux - **Linux** is a Unix-like computer operating system assembled under the model of free and open source software development and distribution. The defining component of Linux is the Linux kernel, an operating system kernel first released 5 October 1991 by Linus Torvalds.
Wikipedia -http://en.wikipedia.org/wiki/Linux
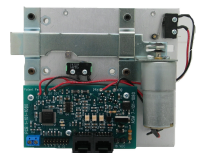
Account – Referrs to a specific Tenant

I/O – Input/Output. Is used with reference to Communications between the Controller and Remotes in a System.
SSD – Solid State Drive. Provides non-volitale memory, has no moving parts and acts like a Hard

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Disk.

PMS – Property Management System. Software used to create leases, rent units, take payments and create accounting reports.
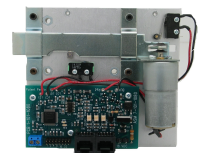
Real Time - **Real-time data** denotes information that is delivered immediately after collection. There is no delay in the timeliness of the information provided. Real-time data is often used for navigation or tracking.
Wikipedia - http://en.wikipedia.org/wiki/Real-time_data

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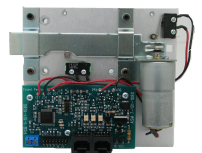
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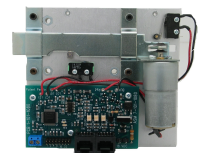
United Kingdom   Portugal

United Kingdom

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