Custom Interlock Specification Form

Electronic Solutions Inc.

The attached form will be used to generate your quotation, as well as to program the interlock module(s) to your specific requirements. It is therefore imperative that it be accurate and complete. If needed, use a separate sheet of paper to list other pertinent requirements and any comments.

Assign a sequential number beginning with 1 to each door in the system. Indicate the number for each door on a copy of the floor plan (please include this information when a quotation is requested). Complete a form for each interlock system using the guidelines below.

Total Doors This System: All doors that are interlocked with each other in any way *must* share the same system. Depending on the total number of doors and the programming complexity, it may be possible for two or more systems to share the same physical interlock module; *however, this may not be desirable from a wiring standpoint if, for example, doors are located on opposite sides of the building.*

Door #: Arbitrary door number from your floor plan as explained above.

Door Type: Specify auto or manual.

Access Method: Specify the type of device to be used to gain access through this door – such as pushplate, card reader, etc. If there is no access device, put "manual." *ESI does not recommend that motion detectors be used with interlocked doors.*

Lock Type: Specify autolock, mortise, magnetic, or none.

Idle State: If there is a lock *besides an autolock* on this door, specify whether the door is to be locked or unlocked when all doors are closed and the interlock is idle. If there is no lock, put "N/A."

System Doors to Lock or Inhibit: Specify the number of *every* door that is locked or inhibited when this door is open. If **all** other doors are to be locked when this door is open, you may put "exclusive" or "EX" in this column as a shortcut.

Notes:

- All doors must include door position (close monitor) switch contacts. ESI's preference is that these switches *close* when the door is *open*. However, a parameter in the interlock software allows you to utilize switches that *open* when the door is *open*. *All door position switches in a given system **must** have the **same** polarity.*

- A single "unlock and open" dry contact output will be provided per door for any automatic doors which utilize an internal lock and are **locked** when idle. *Lock switching functionality and release timing* must *be provided within the automatic door operator package(s).*

- Interlocks include memory operation which stores requests and services them in the order received. Duplicate requests are consolidated into a single request for any given door. If the memory feature is not desired, it may be defeated via a field settable parameter.

- Alarm contacts, support for red/green "go/no go" indicators, latching action (with or without time delay cancel), specialized timing or sequences, and other functions are available. Please contact ESI with your specific requirements.

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Distributor Name _____

Contact Name _____

Phone _____   Fax _____   Email _____

Project Name _____

Total Doors This System _____   Approximate Date Required _____

Door #	Facility Number	Door Type	Access Method	Lock Type	Idle State	System Doors to Lock or Inhibit
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Fax this completed form to ESI at 361.991.8512 or email it to engineering@texaselectronicsolutions.com. Please remember to also send a marked up copy of the floor plan with the assigned door numbers above clearly shown.