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# Booth/Interlock How2

Version 0. 1

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2010-07-20

# Revision History

| Name | Date      | Reason For Changes | Version |
|------|-----------|--------------------|---------|
| MDH  | 14-Jul-10 | Initial document   | 0.1     |
|      |           |                    |         |

## Contents

|                          |   |
|--------------------------|---|
| 1. General.....          | 3 |
| 2. Setup.....            | 3 |
| a. CR351/2/4 .....       | 3 |
| i. HW Setup/Wiring.....  | 3 |
| ii. SW setup .....       | 3 |
| b. CR355/CR390 .....     | 4 |
| i. HW Setup/ Wiring..... | 4 |

## 1. General

In Booth mode, the two doors can be selected to function as a one or two reader/door booth. Both modes require that two doors are selected and that action complete signals are in use. Latch monitor (CR355) can also be used. Selection of none disables booth functions.

The sequence for booth mode (two readers) is; card is presented, and if access is allowed, the first door opens. When it closes and the present detection signal is active (input of the controller tied to a pressure mat or a beam inside the booth), the first door is locked and the second is unlocked. Only when the second door is detected as open, is the “entered” message generated. While the sequence is in progress, both readers are disabled. Selection of a push button results in the same sequence. If the sequence is not completed in 10 seconds, it is aborted and both doors are locked. When using a Softcon CR355 controller, the latch can also be monitored and the sequence then requires that the latch be monitored unlocked before door is detected as open and be monitored as locked after the door is detected as closed, with the rest of the sequence as normal. The CR355 can also set a booth busy output, being active while the booth process is busy. In CR355 controllers, the reader flashes red while the booth process is busy. CR355 requires the input type settings of action complete 1 and 2, booth presence, optionally latch 1 and 2 monitor and the output type settings of latch 1 and 2 and optionally the booth busy output.

In the one door booth mode, the door to enter the booth is opened (slides to the other side), by a push button. When a card is presented to the reader in the booth, and access is granted, the door slides to grant exit, closing the entrance.

Booth type Interlock (type 3 - only CR355) does not perform the booth sequence but prevents either door from unlocking if the other door is open or unlocked. A booth is also an interlock.

The Booth type 1-reader controller (type 4 - only CR355) monitors reader enable 1 and reader enable 2 inputs. On receiving data from reader (connected to reader 1 port) and reader enable 1 is active (input low – level 1 if not EOL, or level 2 if EOL) - data is taken as from reader 1, else if reader enable 2 is active – data is taken as from reader 2. If neither is active, the reader LED is RED and data is discarded. All other functions of 1 (one latch relay) or 2 doors (2 latch relays) and action complete function (reporting not opened, opened too long, illegal open) as normal.

## 2. Setup

### a. CR351/2/4

#### i. HW Setup/Wiring

1. Ensure that both doors have action complete wired into the controller. Pins 18 and 19 for action complete 1, and pins 19 and 21 for action complete 2.

#### ii. SW setup.

1. In SCS\_Client click setup, setup editor, CR352-5 setup.
2. For the controller where Booth/Interlocking needs to be set, under monitor select ‘Normal Closed’.
  - a. Under Booth select booth
    - i. **Booth mode**– 2 doors with action complete, occupied optional, 2 reader.  
The CRC controls a booth (mantrap) without additional external electronics. Action complete is required.

Presence detect in the booth is optional. The sequences of events are:

Access request by reader, and/or PIN pad or egress.  
If access is granted, the door is unlocked.

Action complete is detected for door opening and closing.

The door is locked.

Presence detect must be active.

The second door is unlocked.

Action complete of second door is detected for opening and closing.

The second door is locked.

Access is reported to the PC.

3. Click setup, setup editor, controller setup
4. Right click on the controller and select setup. This will send the settings to the controller.

## **b. CR355/CR390**

### **i. HW Setup/ Wiring.**

1. Ensure that both doors have action complete wired into the controller. Pins 27 and 30 for action complete 1, and pins 29 and 30 for action complete 2.