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New features for the CyberData Intercom

The CyberData Intercom is different than most IP Intercoms.
We have enabled our Intercoms to be "intelligent" and to have the ability to do more than just make or receive a call.

The features of this product are continuously being updated from input within CyberData and direct customer feedback on it's operation.

Configurable Feature List:

Network Adjustable Volume

Network Adjustable Microphone Gain

Open Door Sensor

If wired to a switch on a door, this event can trigger the following multiple actions based on a time value entered:

- Flash the LED
- Activate the relay
- Send an audio message to a specific extension
- Send and repeat an audio message to the Intercom's speaker
- Select either **door sensor normally open** or closed contacts

Tamper Sensor

The Intercom has a built-in optical intrusion detector that will trigger when the face plate is removed from the housing. Multiple actions (based on the values set) can trigger different events such as the following:

- Flash the LED
- Activate the relay
- Send an audio message to a specific extension
- Send and repeat an audio message to the Intercom's speaker

Auto-Answer

- Intercom will auto-answer or ring until the Call button is pressed

Relay Control

- Activate when the Intercom is being called
- Activate on call out (time value can be set)
- Activate remotely via DTMF (time value can be set)

Button Light
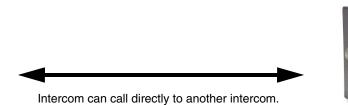
- Button light on or off at idle state

Ring Back Tone

- Enable/disable ringback tone

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Peer to Peer

In this example, the Intercom can call directly to another SIP endpoint without having to have a SIP server connected.

Peer to Peer

Intercom can call directly to another intercom.

Intercom can call a CyberData ceiling or talk-back speaker.

Intercom can call a standard SIP phone that is not registered to a SIP server for a two-way communication.

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Call Notification

In this example, the Intercom would be deployed in a high noise environment. When a call is placed to the Intercom, or the Intercom is part of a ring group (**1**), the internal relay would activate during the ring and enable a signaling device like a strobe to be activated (**2**).

Call Notification

1. Phone calls Intercom.

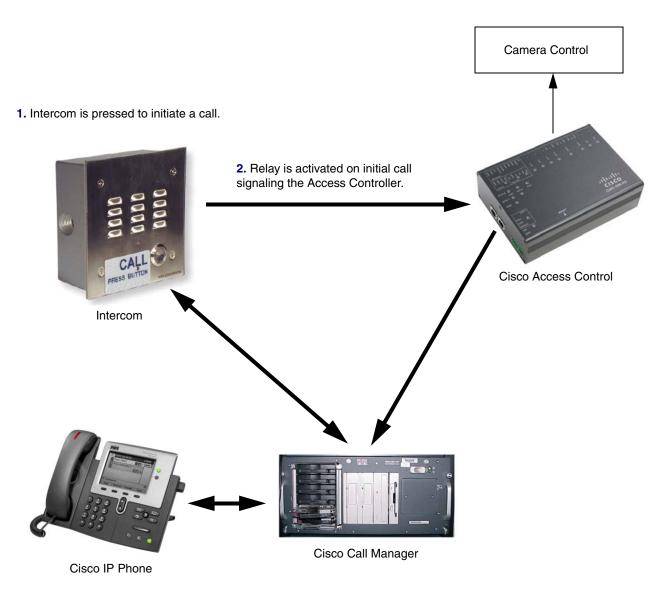**Note: Auto Answer** on the **Intercom Setup** page is set to **No**.

CALL
PRESS BUTTON

2. Relay is activated during ring and turns on the strobe.

3. Relay is turned off when Intercom is answered.

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Access Control

In this example, the Intercom is part of a security system. When the Intercom call is initiated (**1**), the relay would activate (**2**) and a contact closure signal would be available to an Access Control Device that is tied to a security camera system.

Acccess Control

Camera Control

1. Intercom is pressed to initiate a call.

2. Relay is activated on initial call signaling the Access Controller.

Cisco Access Control

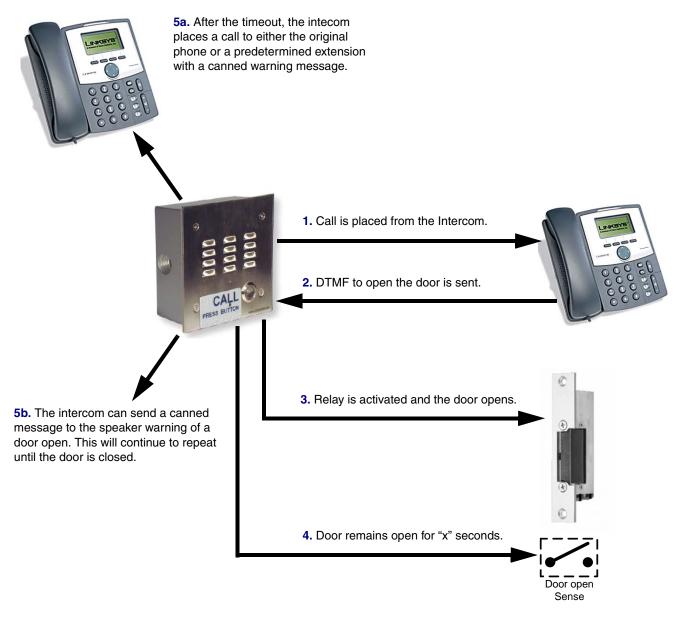Intercom

Cisco IP Phone

Cisco Call Manager

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Relay Activation and Door Open Event Notification

In this example, a call is placed either to or from the Intercom (**1**). Once the connection is established, the phone can send a 3-digit DTMF code to the Intercom (**2**) which will activate the onboard relay to open an electronic strike (**3**).

If the door is left open (**4**) and depending on the timer value set, the Intercom will automatically call a preset phone number/extension and play an audio message that the door is ajar (**5a**). This same message can be directed to the Intercom's speaker (**5b**).

Relay Activation and Door Open Event Notification

5a. After the timeout, the intecom places a call to either the original phone or a predetermined extension with a canned warning message.

1. Call is placed from the Intercom.

2. DTMF to open the door is sent.

5b. The intercom can send a canned message to the speaker warning of a door open. This will continue to repeat until the door is closed.

3. Relay is activated and the door opens.

4. Door remains open for "x" seconds.

Door open Sense

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Tamper Event Notification

In the example below, if the Intercom case is opened and an internal *tamper sensor* is activated (**1**), the Intercom can automatically do the following:

- Call a preset phone number/extension and play an audio warning message to indicate that there has been a *tamper event* (**2a**).

- Direct this same audio warning message to the Intercom's speaker (**2b**).

Tamper Event Notification

1. An Internal tamper sensor is activated.

2a. The Intercom places a call to a predetermined extension and plays an audio warning message to indicate that there has been a tamper event.

2b. The Intercom sends an audio warning message to the Intercom's speaker warning someone that a door is open.