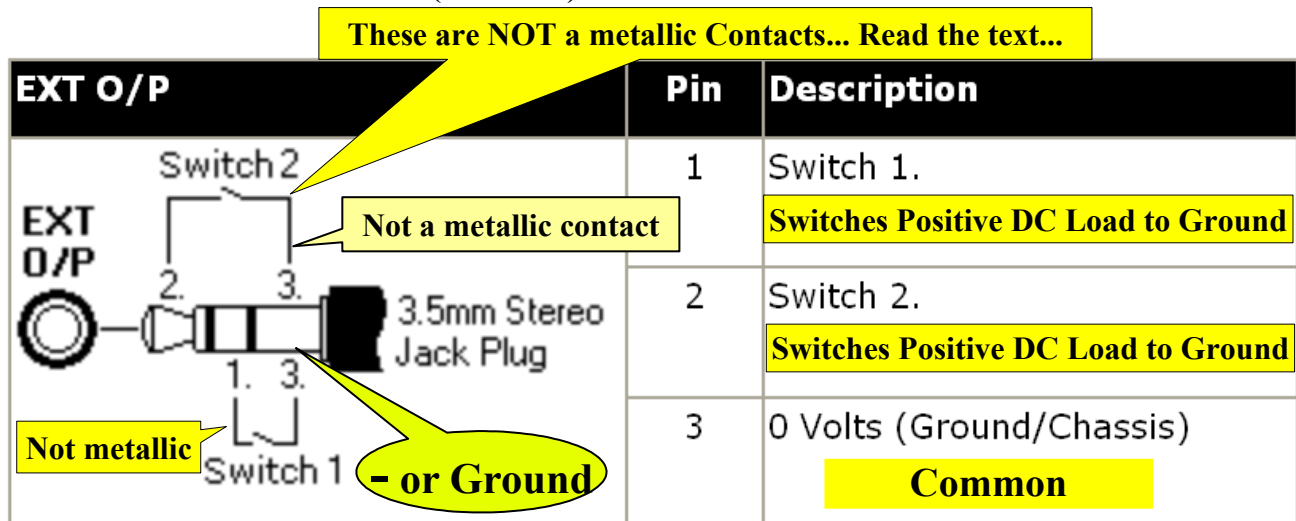# IP Office Partner & Essential Version Door Phone Info
Telquest Tech Support

Special Note! It appears that the "Switch" or "Contact" in the KSU is not a metallic contact but rather a transistor that switches to ground (-). Therefore AC devices will not operate correctly. They will "Lock UP" or act as if the "Switch" or "Contact" was always closed. The Door Release device must be DC not AC. If this is not possible, then you must construct a "Slave Relay(s)" to isolate the KSU's "Switch" or "Contact" and the "Slave Relay(s)" will provide the clean metallic contact closure.
Telquest also offers Converted ACS Contact Closure Adjunct units. Model 950A1 / 107881435
The Door Release Contact Port (EXT O/P) is on the rear of the KSU

These are NOT a metallic Contacts... Read the text...

EXT O/P	Pin	Description
Switch 2 — Not a metallic contact	1	Switch 1. **Switches Positive DC Load to Ground**
EXT O/P 2. 3. 3.5mm Stereo Jack Plug 1. 3.	2	Switch 2. **Switches Positive DC Load to Ground**
Not metallic Switch 1 **– or Ground**	3	0 Volts (Ground/Chassis) **Common**

- **Switching Current Capacity: 0.7A.**
- **Maximum Voltage: 55V DC.**
- **On state resistance: 0.7 ohms.**
- **Short circuit maximum current: 1A.**
- **Reverse circuit current capacity: 1.4A.**
- **Ensure that pins 1 and 2 are always at a positive voltage with respect to pin 3.**

**DC Only..
Watch your Polarity...**

IPO Essential Default Short Codes to control the contacts:

Intercom *41 = Pulse   Contact 1 stays closed for 5 seconds and then releases
Intercom *44 = Pulse   Contact 2 stays closed for 5 seconds and then releases
Intercom *39 = Lock   Contact 1 closes and remains closed until Intercom *40 is dialed
Intercom *42 = Lock   Contact 2 closes and remains closed until Intercom *43 is dialed

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IPO Partner Default Feature Codes:
The Contact Closure Type (1 sec. On, 3 sec. On, 5 sec. On or Toggle) is programmable
You also need to add Extensions to the each Door Contact Closure Group (1&2) in Manager.
Operation: Press the button below "Feature" in the LCD first.
Dial 41 = To Operate Contact 1
Dial 42 = To Operate Contact 2

Slave Relay(s) Schematic

To KSU Switch 2
Pin 2

Slave Relay Common

To KSU Switch 1
Pin 1

Normally Closed Contact

12 Volt DC Relay 1

Normally Open Contact

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TO KSU Pin 3

12 Volt DC
Power Supply