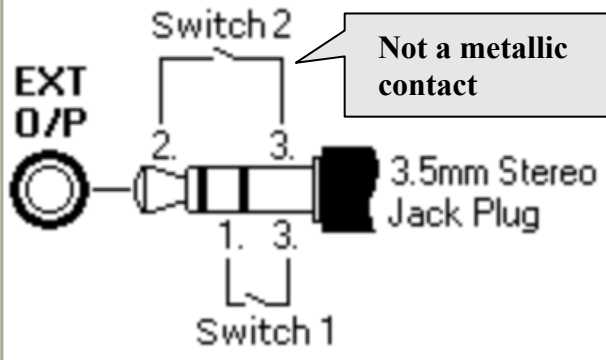# IP Office Partner & Essential Version Door Phone Info
Telquest Tech Support

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.

The Door Release Contact Port is on the rear of the KSU

EXT O/P	Pin	Description
Switch 2 — Not a metallic contact — EXT O/P — 3.5mm Stereo Jack Plug — Switch 1	1	Switch 1.
	2	Switch 2.
	3	0 Volts (Ground/Chassis)

- **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:

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

IPO Partner Default Feature Codes
The Contact Closure Type (1 sec. On, 3 sec. On 5 sec. On or Toggle) is programmable

41	= Operate	Contact 1
42	= Operate	Contact 2

Slave Relay(s) Schematic

Slave Relay Common

To KSU Switch 2
Pin 2

To KSU Switch 1
Pin 1

Normally Closed Contact

12 Volt DC Relay 1

Normally Open Contact

+

TO KSU Pin 3

12 Volt DC
Power Supply