TelQuest International

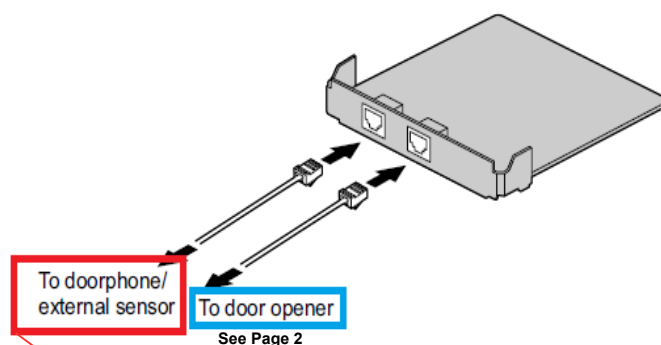**TelQuest International**
973-808-4588

Panasonic KX-NS700
DoorPhone Setup
Telquest Tech Support
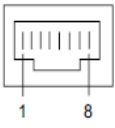
4.7.1 DPH2 Card (KX-NS5162)

Function

A doorphone card for 2 doorphone, 2 door opener, and 2 external sensor.
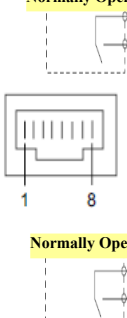A Doorphone Card is installed in CO Line slot.

To doorphone/ external sensor | To door opener
See Page 2

PIN Assignment

PIN Assignment for Doorphone Port

	No.	Signal Name	Function
	1	DP1	Doorphone 1 transmit
	2	COM1	Doorphone 1 receive
	3	SENS1a	Sensor 1
	4	DP2	Doorphone 2 transmit
	5	COM2	Doorphone 2 receive
	6	SENS1b	Sensor 1 common
	7	SENS2a	Sensor 2
	8	SENS2b	Sensor 2 common

The DoorPhone Card does not offer any Normally Closed Contacts

PIN Assignment for Door opener Port

	No.	Signal Name	Function	
Normally Open	1	OP1a	Door opener 1 (Relay 1)	→ Normally Open Contacts
	2	OP1b	Door opener 1 com (Relay 1 com)	
	3	Reserved	-	
	4	Reserved	-	
	5	Reserved	-	
	6	Reserved	-	
Normally Open	7	OP2a	Door opener 2 (Relay 2)	→ Normally Open Contacts
	8	OP2b	Door opener 2 com (Relay 2 com)	

External Sensor

Power to the external sensor is provided from the DPH2 card and must be grounded through the DPH2 card as indicated in the diagram below. A pair of "sensor" and "common" lines are connected to the DPH2 card for each external sensor. The PBX detects input from the sensor when the signal is under 100 Ω.

Connection Diagram

PBX

DOORPHONE

+3.3V

+3.3V

10K Ω

33 Ω

I/O ←

4.7K

33 Ω

4.7K

sensor

common

External Sensor
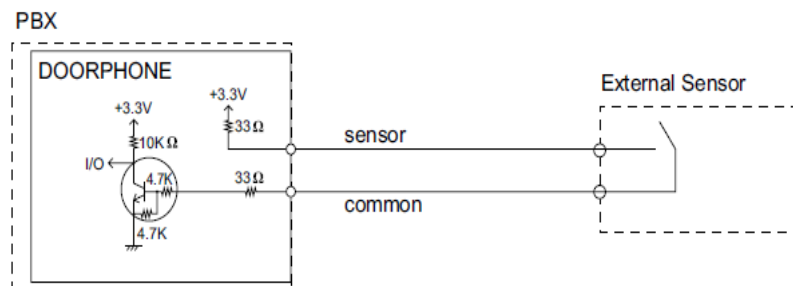
Door Opener

Current Limit: 24 V DC/30 V AC, 1 A maximum

Ringing the phones when there is a DoorPhone call:

You must put the phones that will ring in their own seperate Incoming Call Distribution Group.

This Help Sheet does not explain how to do that.
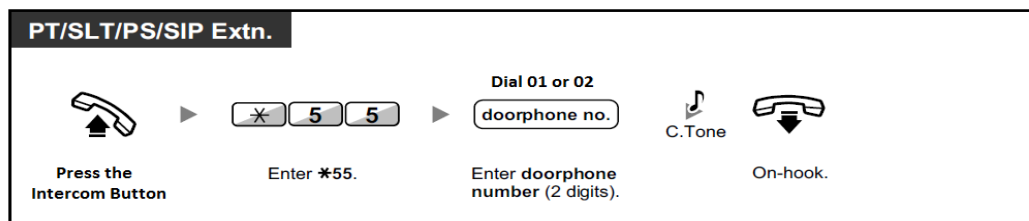
In this example. I am using ICDG 603

To Operate the Door Relay:

From any extension while talking to the doorphone