

## DOOR STATION

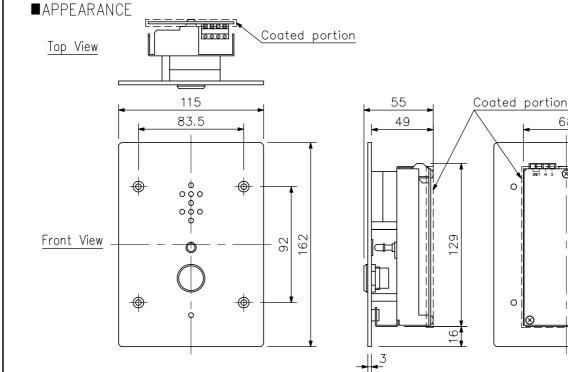
Q-N8050WPC

## **■**DESCRIPTION

Designed to connect to the IP Intercom Exchange, the Q-N8050WPC is a door station featuring high quality hands—free conversation. It has a contact output (momentarily closed) to remotely control an electronic door lock. It is in full conformity with IP54 water—proof and dust—proof standards. The operating temperature range is -40 to +50°C. As provided with guard nets inside to cover over the openings of microphone and speaker, the Q-N8050WPC can be installed free from care in public space.

■ SPECIFICATIONS \* 0 dB = 1 V

Power Consumption         48 V DC (supplied from the IP intercom exchange (option))           Power Consumption         1.8 W (at rated), 2.4 W (max.)           Wiring Method         Non-polar one pair stranded wire system           Transmission System         2 wire 160 kbps echo canceller transmission system           Signal Level         Under 0 dB*           Speech Method         Hands-free conversation           Audio Frequency Range         300 - 7,000 Hz           Transmission Range         Max. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)           Hands-free         Speaker: 3.5 cm cone-type, 1 W, 8 Ω           Microphone: Omni-directional electret condenser microphone           Contact Output         Open collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)           Line Connecting Terminal         2 wire, screw terminal (non-polar)           Setting Method         Flush-mount/Surface-mount           Operating Temperature         -40°C to +50°C           Operating Humidity         Under 90% RH (no condensation)           Housing Protection         BS EN62262: 2002: IK02 equivalent           Dust/Water Protection         Passed our gas corrosion test and neutral salt spray test           Finish         Plate: Stainless steel (SUS304), hairline           Call button: Aluminum, red	ISI LUTI TUATTUNS	* U dD — 1 V
Wiring MethodNon-polar one pair stranded wire systemTransmission System2 wire 160 kbps echo canceller transmission systemSignal LevelUnder 0 dB*Speech MethodHands-free conversationAudio Frequency Range300 - 7,000 HzTransmission RangeMox. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)Hands-freeSpeaker: 3.5 cm cone-type, 1 W, 8 ΩMicrophone: Omni-directional electret condenser microphoneContact OutputOpen collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)Line Connecting Terminal2 wire, screw terminal (non-polar)Setting MethodFlush-mount/Surface-mountOperating Temperature-40°C to +50°COperating HumidityUnder 90% RH (no condensation)Housing ProtectionBS EN62262: 2002: IK02 equivalentDust/Water ProtectionIP54 (Note that panel edges must be sealed at installation.)Resistance to EnvironmentPassed our gas corrosion test and neutral salt spray testFinishPlate: Stainless steel (SUS304), hairlineCall button: Aluminum, red Circuit board: Silicone sealing agent-coated boardDimensions115 (W) x 162 (H) x 55 (D) mmWeight730 gAccessoryBox mounting screw (M4 × 25)···4Applicable Box (option)For flush mount: 3-gang electrical box or Back Box YC-150	Power Source	48 V DC (supplied from the IP intercom exchange (option))
Transmission System   2 wire 160 kbps echo canceller transmission system	Power Consumption	1.8 W (at rated), 2.4 W (max.)
Signal LevelUnder 0 dB*Speech MethodHands-free conversationAudio Frequency Range300 - 7,000 HzTransmission RangeMax. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)Hands-freeSpeaker: 3.5 cm cone-type, 1 W, 8 ΩMicrophone: Omni-directional electret condenser microphoneContact OutputOpen collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)Line Connecting Terminal2 wire, screw terminal (non-polar)Setting MethodFlush-mount/Surface-mountOperating Temperature-40°C to +50°COperating HumidityUnder 90% RH (no condensation)Housing ProtectionBS EN62262: 2002: IK02 equivalentDust/Water ProtectionIP54 (Note that panel edges must be sealed at installation.)Resistance to EnvironmentPassed our gas corrosion test and neutral salt spray testFinishPlate: Stainless steel (SUS304), hairlineCall button: Aluminum, redCircuit board: Silicone sealing agent-coated boardDimensions115 (W) x 162 (H) x 55 (D) mmWeight730 gAccessoryBox mounting screw (No.6-32UNC X 18)···4, Box mounting screw (M4 X 25)···4Applicable Box (option)For flush mount: 3-gang electrical box or Back Box YC-150	Wiring Method	Non-polar one pair stranded wire system
Signal LevelUnder 0 dB*Speech MethodHands-free conversationAudio Frequency Range300 - 7,000 HzTransmission RangeMax. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)Hands-freeSpeaker: 3.5 cm cone-type, 1 W, 8 ΩMicrophone: Omni-directional electret condenser microphoneContact OutputOpen collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)Line Connecting Terminal2 wire, screw terminal (non-polar)Setting MethodFlush-mount/Surface-mountOperating Temperature-40°C to +50°COperating HumidityUnder 90% RH (no condensation)Housing ProtectionBS EN62262: 2002: IK02 equivalentDust/Water ProtectionIP54 (Note that panel edges must be sealed at installation.)Resistance to EnvironmentPassed our gas corrosion test and neutral salt spray testFinishPlate: Stainless steel (SUS304), hairlineCall button: Aluminum, redCircuit board: Silicone sealing agent-coated boardDimensions115 (W) x 162 (H) x 55 (D) mmWeight730 gAccessoryBox mounting screw (No.6-32UNC X 18)···4, Box mounting screw (M4 X 25)···4Applicable Box (option)For flush mount: 3-gang electrical box or Back Box YC-150	Transmission System	2 wire 160 kbps echo canceller transmission system
Audio Frequency Range300 - 7,000 HzTransmission RangeMax. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)Hands-freeSpeaker: 3.5 cm cone-type, 1 W, 8 Ω Microphone: Omni-directional electret condenser microphoneContact OutputOpen collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)Line Connecting Terminal2 wire, screw terminal (non-polar)Setting MethodFlush-mount/Surface-mountOperating Temperature-40°C to +50°COperating HumidityUnder 90% RH (no condensation)Housing ProtectionBS EN62262: 2002: IK02 equivalentDust/Water ProtectionIP54 (Note that panel edges must be sealed at installation.)Resistance to EnvironmentPassed our gas corrosion test and neutral salt spray testFinishPlate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent-coated boardDimensions115 (W) x 162 (H) x 55 (D) mmWeight730 gAccessoryBox mounting screw (No.6-32UNC x 18)···4, Box mounting screw (M4 x 25)···4Applicable Box (option)For flush mount: 3-gang electrical box or Back Box YC-150	Signal Level	
Transmission RangeMax. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)Hands-freeSpeaker: 3.5 cm cone-type, 1 W, 8 Ω Microphone: Omni-directional electret condenser microphoneContact OutputOpen collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)Line Connecting Terminal2 wire, screw terminal (non-polar)Setting MethodFlush-mount/Surface-mountOperating Temperature-40°C to +50°COperating HumidityUnder 90% RH (no condensation)Housing ProtectionBS EN62262: 2002: IK02 equivalentDust/Water ProtectionIP54 (Note that panel edges must be sealed at installation.)Resistance to EnvironmentPassed our gas corrosion test and neutral salt spray testFinishPlate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent-coated boardDimensions115 (W) x 162 (H) x 55 (D) mmWeight730 gAccessoryBox mounting screw (No.6-32UNC x 18)···4, Box mounting screw (M4 x 25)···4Applicable Box (option)For flush mount: 3-gang electrical box or Back Box YC-150	Speech Method	Hands-free conversation
Hands-free	Audio Frequency Range	300 - 7,000 Hz
Microphone: Omni-directional electret condenser microphone  Contact Output Open collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)  Line Connecting Terminal Setting Method Flush-mount/Surface-mount Operating Temperature Operating Humidity Under 90% RH (no condensation) Housing Protection BS EN62262: 2002: IK02 equivalent Dust/Water Protection Resistance to Environment Finish Plate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent-coated board Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight Accessory Box mounting screw (No.6-32UNC × 18)···4, Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3-gang electrical box or Back Box YC-150	Transmission Range	Max. 1500 m (Ø0.65 mm. Loop resistance 170 Ω)
Contact Output  Open collector output, withstand voltage: Max. 30 V DC, control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)  Line Connecting Terminal 2 wire, screw terminal (non-polar)  Setting Method Flush-mount/Surface-mount  Operating Temperature -40°C to +50°C  Operating Humidity Under 90% RH (no condensation)  Housing Protection BS EN62262: 2002: IK02 equivalent  Dust/Water Protection IP54 (Note that panel edges must be sealed at installation.)  Resistance to Environment Passed our gas corrosion test and neutral salt spray test  Finish Plate: Stainless steel (SUS304), hairline  Call button: Aluminum, red  Circuit board: Silicone sealing agent-coated board  Dimensions 115 (W) x 162 (H) x 55 (D) mm  Weight 730 g  Accessory Box mounting screw (No.6-32UNC × 18)···4,  Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3-gang electrical box or Back Box YC-150	Hands-free	Speaker: 3.5 cm cone—type, 1 W, 8 Ω
control current: Max. 50 mA, one shot: can be set from 1 to 9 s, screw terminal (polarized)  Line Connecting Terminal 2 wire, screw terminal (non-polar)  Setting Method Flush-mount/Surface-mount  Operating Temperature -40°C to +50°C  Operating Humidity Under 90% RH (no condensation)  Housing Protection BS EN62262: 2002: IK02 equivalent  Dust/Water Protection IP54 (Note that panel edges must be sealed at installation.)  Resistance to Environment Passed our gas corrosion test and neutral salt spray test  Finish Plate: Stainless steel (SUS304), hairline  Call button: Aluminum, red  Circuit board: Silicone sealing agent-coated board  Dimensions 115 (W) x 162 (H) x 55 (D) mm  Weight 730 g  Accessory Box mounting screw (No.6-32UNC × 18)···4,  Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3-gang electrical box or Back Box YC-150		Microphone: Omni-directional electret condenser microphone
Screw terminal (polarized)   Line Connecting Terminal 2 wire, screw terminal (non-polar)   Setting Method   Flush-mount/Surface-mount	Contact Output	
Line Connecting Terminal 2 wire, screw terminal (non-polar)  Setting Method Flush-mount/Surface-mount  Operating Temperature -40°C to +50°C  Operating Humidity Under 90% RH (no condensation)  Housing Protection BS EN62262: 2002: IK02 equivalent  Dust/Water Protection IP54 (Note that panel edges must be sealed at installation.)  Resistance to Environment Passed our gas corrosion test and neutral salt spray test  Finish Plate: Stainless steel (SUS304), hairline  Call button: Aluminum, red  Circuit board: Silicone sealing agent-coated board  Dimensions 115 (W) x 162 (H) x 55 (D) mm  Weight 730 g  Accessory Box mounting screw (No.6-32UNC × 18)···4,  Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3-gang electrical box or Back Box YC-150	·	control current: Max. 50 mA, one shot: can be set from 1 to 9 s,
Setting Method  Operating Temperature  Operating Humidity  Under 90% RH (no condensation)  Housing Protection  BS EN62262: 2002: IK02 equivalent  Dust/Water Protection  Resistance to Environment  Finish  Plate: Stainless steel (SUS304), hairline  Call button: Aluminum, red  Circuit board: Silicone sealing agent—coated board  Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight  730 g  Accessory  Box mounting screw (No.6—32UNC × 18)···4,  Box mounting screw (M4 × 25)···4  Applicable Box (option)  For flush mount: 3—gang electrical box or Back Box YC—150		screw terminal (polarized)
Operating Temperature —40°C to +50°C Operating Humidity Under 90% RH (no condensation) Housing Protection BS EN62262: 2002: IK02 equivalent Dust/Water Protection IP54 (Note that panel edges must be sealed at installation.) Resistance to Environment Passed our gas corrosion test and neutral salt spray test Finish Plate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent—coated board Dimensions 115 (W) x 162 (H) x 55 (D) mm Weight 730 g Accessory Box mounting screw (No.6—32UNC × 18)···4, Box mounting screw (M4 × 25)···4 Applicable Box (option) For flush mount: 3—gang electrical box or Back Box YC—150		2 wire, screw terminal (non-polar)
Operating Humidity  Housing Protection  BS EN62262: 2002: IK02 equivalent  Dust/Water Protection  Resistance to Environment  Plate: Stainless steel (SUS304), hairline  Call button: Aluminum, red  Circuit board: Silicone sealing agent—coated board  Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight  730 g  Accessory  Box mounting screw (No.6—32UNC × 18)···4,  Box mounting screw (M4 × 25)···4  Applicable Box (option)  For flush mount: 3—gang electrical box or Back Box YC—150		Flush-mount/Surface-mount
Housing Protection  Dust/Water Protection  Resistance to Environment  Finish  Plate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent—coated board  Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight  Accessory  Box mounting screw (No.6—32UNC × 18)····4, Box mounting screw (M4 × 25)····4  Applicable Box (option)  For flush mount: 3—gang electrical box or Back Box YC—150		
Dust/Water Protection       IP54 (Note that panel edges must be sealed at installation.)         Resistance to Environment       Passed our gas corrosion test and neutral salt spray test         Finish       Plate: Stainless steel (SUS304), hairline         Call button: Aluminum, red       Circuit board: Silicone sealing agent—coated board         Dimensions       115 (W) x 162 (H) x 55 (D) mm         Weight       730 g         Accessory       Box mounting screw (No.6-32UNC × 18)···4, Box mounting screw (M4 × 25)···4         Applicable Box (option)       For flush mount: 3-gang electrical box or Back Box YC-150		
Resistance to Environment Passed our gas corrosion test and neutral salt spray test  Finish Plate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent—coated board  Dimensions 115 (W) x 162 (H) x 55 (D) mm  Weight 730 g  Accessory Box mounting screw (No.6—32UNC × 18)····4, Box mounting screw (M4 × 25)····4  Applicable Box (option) For flush mount: 3—gang electrical box or Back Box YC—150		BS EN62262: 2002: IK02 equivalent
Finish  Plate: Stainless steel (SUS304), hairline Call button: Aluminum, red Circuit board: Silicone sealing agent—coated board  Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight  730 g  Accessory Box mounting screw (No.6—32UNC × 18)···4, Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3—gang electrical box or Back Box YC—150		
Call button: Aluminum, red Circuit board: Silicone sealing agent—coated board  Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight  730 g  Accessory  Box mounting screw (No.6—32UNC × 18)···4, Box mounting screw (M4 × 25)···4  Applicable Box (option)  For flush mount: 3—gang electrical box or Back Box YC—150		Passed our gas corrosion test and neutral salt spray test
Circuit board: Silicone sealing agent—coated board  Dimensions  115 (W) x 162 (H) x 55 (D) mm  Weight  730 g  Accessory  Box mounting screw (No.6—32UNC × 18)···4,  Box mounting screw (M4 × 25)···4  Applicable Box (option)  For flush mount: 3—gang electrical box or Back Box YC—150	Finish	
Dimensions 115 (W) x 162 (H) x 55 (D) mm  Weight 730 g  Accessory Box mounting screw (No.6—32UNC × 18)···4, Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3—gang electrical box or Back Box YC—150		
Weight 730 g  Accessory Box mounting screw (No.6—32UNC × 18)···4, Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3—gang electrical box or Back Box YC—150		Circuit board: Silicone sealing agent—coated board
Accessory  Box mounting screw (No.6—32UNC × 18)···4, Box mounting screw (M4 × 25)···4  Applicable Box (option)  For flush mount: 3—gang electrical box or Back Box YC—150		
Box mounting screw (M4 × 25)···4  Applicable Box (option) For flush mount: 3—gang electrical box or Back Box YC—150		
Applicable Box (option)   For flush mount: 3—gang electrical box or Back Box YC—150	Accessory	
		Box mounting screw (M4 × 25)4
I For wall mount: Wall-mount Box YS-13A	Applicable Box (option)	
To wait mounts wait mount box 13 10A		For wall mount: Wall—mount Box YS—13A



UNIT: mm

SCALE: 1/3

Side View

Rear View

68

0

0